Form 3160-3
(August 2007)

FORM APPROVED
OMB NO. 1004-0137
Expires: July 31, 2010

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.: UTU-000578A

6. If Indian, Allottee or Tribe Name: Ute Tribe

1a. Type of Work: [X] DRILL [ ] REENTER

7. If Unit or CA Agreement, Name and No.: 891008900A

1b. Type of Well: [ ] Oil Well [X] Gas Well [ ] Other [ ] Single Zone [X] Multiple Zone

8. Lease Name and Well No.: NBU 920-15PT

2. Name of Operator: Kerr-McGee Oil & Gas Onshore, LP

9. API Well No.: 43047-40535

3a. Address: PO Box 173779, Denver, CO 80217-3779

3b. Phone No. *(include area code)*: Raleen White 720-929-6666

10. Field and Pool, or Exploratory: Natural Buttes Field

4. Location of well *(Report location clearly and In accordance with any State requirements.*)* NAD 83

At surface: 591' FSL 696' FEL SE/4 SE/4 Lat. 40.029726 Long. -109.646071

At proposed prod. zone: 615579X 4431716Y 40.029647 -109.645443

11. Sec.,T.,R.,M.,or Blk.and Survey or Area: 15 T 9S R 20E S.L.B. & M.

14. Distance in miles and direction from the nearest town or post office*: Approximately 38 miles south of Vernal, Utah

12. County or Parish: Uintah

13. State: Utah

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. unit line, if any)	16. No. of acres in lease	17. Spacing Unit dedicated to this well
591'	40.00	Unit well
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	**19. Proposed Depth**	**20. BLM/ BIA Bond No. on file**
±78'	10,700'	WYB000291
21. Elevations (Show whether DF. RT, GR, etc.)	**22. Aproximate date work will start***	**23. Estimated duration**
4,833 ' GR KB	ASAP	10 days

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1 shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by existing bond on file(see item 20 above).
5. Operator certification.
6. Such other site specific information and/ or plans as may be required by the a authorized officer.

25. Signature	Name *(Printed/ Typed)*	Date
Raleen White	Raleen White	2-13-2009
Title: Sr Regulatory Analyst	E-mail: raleen.white@anadarko.com Phone: 720-929-6666	
Approved By *(Signature)*	Name *(Printed/ Typed)*: BRADLEY G. HILL	Date: 03-02-09
Title	Office: ENVIRONMENTAL MANAGER	

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

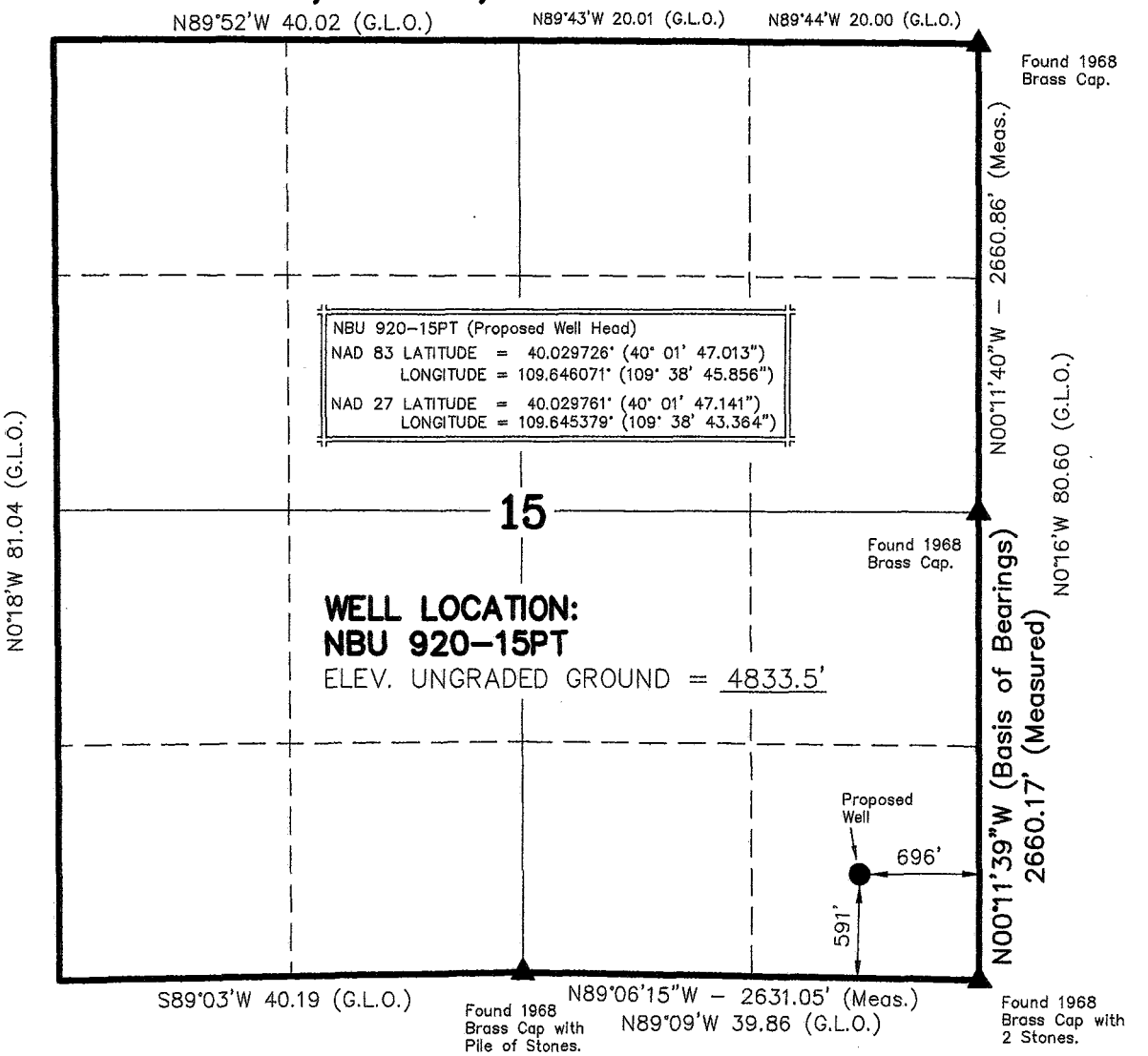
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

* *(Instructions on page 2)*

Federal Approval of this Action is Necessary

RECEIVED
FEB 17 2009
DIV. OF OIL, GAS & MINING

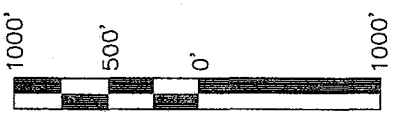
T9S, R20E, S.L.B.&M.



NOTES:

▲ = Section Corners Located

1. Well footages are measured at right angles to the Section Lines.
2. G.L.O. distances are shown in feet or chains. 1 chain = 66 feet.
3. Bearings are based on Global Positioning Satellite observations.
4. Basis of elevation is the Northwest Corner of Section 12, T9S, R20E, S.L.B.&M. The elevation of this Section Corner is shown on the Ouray SE 7.5 Min. Quadrangle as being 4676'.



SCALE

SURVEYOR'S CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

No.362251 KOLBY R. KAY REGISTERED LAND SURVEYOR STATE OF UTAH

REGISTERED LAND SURVEYOR
REGISTRATION NO. 362251
STATE OF UTAH

Kerr–McGee Oil & Gas Onshore, LP

1099 18th Street – Denver, Colorado 80202

NBU 920-15PT
WELL PLAT
591' FSL, 696' FEL
SE ¼ SE ¼ OF SECTION 15, T9S, R20E, S.L.B.&M. UINTAH COUNTY, UTAH.

609 CONSULTING, LLC
371 Coffeen Avenue
Sheridan WY 82801
Phone 307-674-0609
Fax 307-674-0182

TIMBERLINE (435) 789-1365
ENGINEERING & LAND SURVEYING, INC.
209 NORTH 300 WEST – VERNAL, UTAH 84078

DATE SURVEYED: 11-11-08	SURVEYED BY: M.S.B.	SHEET 1 OF 10
DATE DRAWN: 11-14-08	DRAWN BY: E.M.S.	
SCALE: 1" = 1000'	Date Last Revised: 01-21-09	

NBU 920-15PT
SESE Sec. 15, T9S R20E
Twin to NBU 322-15E
UINTAH COUNTY, UTAH
UTU-000578A

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. – 2. **Estimated Tops of Important Geologic Markers:**
Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:

Formation	Depth	Resource
Uinta	0 – Surface	
Green River	1,761'	
Birds Nest	2,001'	Water
Mahogany	2,523'	Water
Wasatch	5,181'	Gas
Mesaverde	8,489'	Gas
MVU2	9,472'	Gas
MVL1	9,977'	Gas
TD	10,700'	

3. **Pressure Control Equipment** (Schematic Attached)

Please see the Natural Buttes Unit Standard Operating Procedure (SOP).

4. **Proposed Casing & Cementing Program:**

Please see the Natural Buttes Unit SOP. See attached drilling diagram.

5. **Drilling Fluids Program:**

Please see the Natural Buttes Unit SOP.

6. **Evaluation Program:**

Please see the Natural Buttes Unit SOP.

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 10,700' TD, approximately equals 6,833 psi (calculated at 0.64 psi/foot).

Maximum anticipated surface pressure equals approximately 4,479 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. Anticipated Starting Dates:

Drilling is planned to commence immediately upon approval of this application.

9. Variances:

Please see Natural Buttes Unit SOP Onshore Order #2 – Air Drilling Variance

Kerr-McGee Oil & Gas Onshore LP (KMG) respectfully requests a variance to several requirements associated with air drilling outlined in Onshore Order 2

- *Blowout Prevention Equipment (BOPE) requirements;*
- *Mud program requirements; and*
- *Special drilling operation (surface equipment placement) requirements associated with air drilling.*

This Standard Operating Practices addendum provides supporting information as to why KMG current air drilling practices for constructing the surface casing hole should be granted a variance to Onshore Order 2 air drilling requirements.

The reader should note that the air rig is used only to construct a stable surface casing hole through a historically difficult lost circulation zone. A conventional rotary rig follows the air rig, and is used to drill and construct the majority of the wellbore.

More notable, KMG has used the air rig layout and procedures outlined below to drill the surface casing hole in approximately 675 wells without incident of blow out or loss of life.

Background

In a typical well, KMG utilizes an air rig for drilling the surface casing hole, an interval from the surface to surface casing depths, which varies in depth from 1,700 to 2,800 feet. The air rig drilling operation does not drill through productive or over pressured formations in KMG field, but does penetrate the Uinta and Green River Formations. The purpose of the air drilling operation is to overcome the severe loss circulation zone in the Green River known as the Bird's Nest while creating a stable hole for the surface casing. The surface casing hole is generally drilled to approximately 500 feet below the Bird's Nest.

Before the surface air rig is mobilized, a rathole rig is utilized to set and cement conductor pipe through a competent surface formation. Generally, the conductor is set at 40 feet. In some cases, conductor may be set deeper in areas that the surface formation is not found competent. This rig also drills the rat and mouse holes in preparation for the surface casing and production string drilling operations.

The air rig is then mobilized to drill the surface casing hole by drilling a 12-1/4 inch hole to just above the Bird's Nest interval with an air hammer. The hammer is then tripped and replaced with a 12-1/4 inch tri-cone bit. The tri-cone bit is used to drill to the surface casing point, approximately 500 feet below the loss circulation zone (Bird's Nest). The 9-5/8 inch surface casing is then run and cemented in place, thereby isolating the lost circulation zone.

KMG fully appreciates Onshore Order 2 well control and safety requirements associated with a typical air drilling operations. However, the requirements of Onshore Order 2 are excessive with respect to the air rig layout and drilling operation procedures that are currently in practice to drill and control the surface casing hole in KMG Fields.

Variance for BOPE Requirements
The air rig operation utilizes a properly lubricated and maintained air bowl diverter system which diverts the drilling returns to a six-inch blooie line. The air bowl is the only piece of BOPE equipment which is installed during drilling operations and is sufficient to contain the air returns associated with this drilling operation. As was discussed earlier, the drilling of the surface hole does not encounter any over pressured or productive zones, and as a result standard BOPE equipment should not be required. In addition, standard drilling practices do not support the use of BOPE on 40 feet of conductor pipe.

Variance for Mud Material Requirements
Onshore Order 2 also states that sufficient quantities of mud materials shall be maintained or readily accessible for the purpose of assuring adequate well control. Once again, the surface hole drilling operations does not encounter over pressured or productive intervals, and as a result there is not a need to control pressure in the surface hole with a mud system. Instead of mud, the air rigs utilize water from the reserve pit for well control, if necessary. A skid pump which is located near the reserve pit (see attachment) will supply the water to the well bore.

Variance for Special Drilling Operation (surface equipment placement) Requirements
Onshore Order 2 requires specific safety distances or setbacks for the placement of associated standard air drilling equipment, wellbore, and reserve pits. The air rigs used to drill the surface holes are not typical of an air rig used to drill a producing hole in other parts of the US. These are smaller in nature and designed to fit a KMG location. The typical air rig layout for drilling surface hole in the field is attached.

Typically the blooie line discharge point is required to be 100 feet from the well bore. In the case of a KMG well, the reserve pit is only 45 feet from the rig and is used for the drill cuttings. The blooie line, which transports the drill cuttings from the well to the reserve pit, subsequently discharges only 45 feet from the well bore.

Typically the air rig compressors are required to be located in the opposite direction from the blooie line and a minimum of 100 feet from the well bore. At the KMG locations, the air rig compressors are approximately 40 feet from the well bore and approximately 60 feet from the blooie line discharge due to the unique air rig design. The air compressors (see attachment) are located on the rig (1250 cfm) and on a standby trailer (1170 cfm). A booster sits between the two compressors and boosts the output from 350 psi to 2000 psi. The design does put the booster and standby compressor opposite from the blooie line.

Lastly, Onshore Order 2 addresses the need for an automatic igniter or continuous pilot light on the blooie line. The air rig does not utilize an igniter as the surface hole drilling operation does not encounter productive formations.

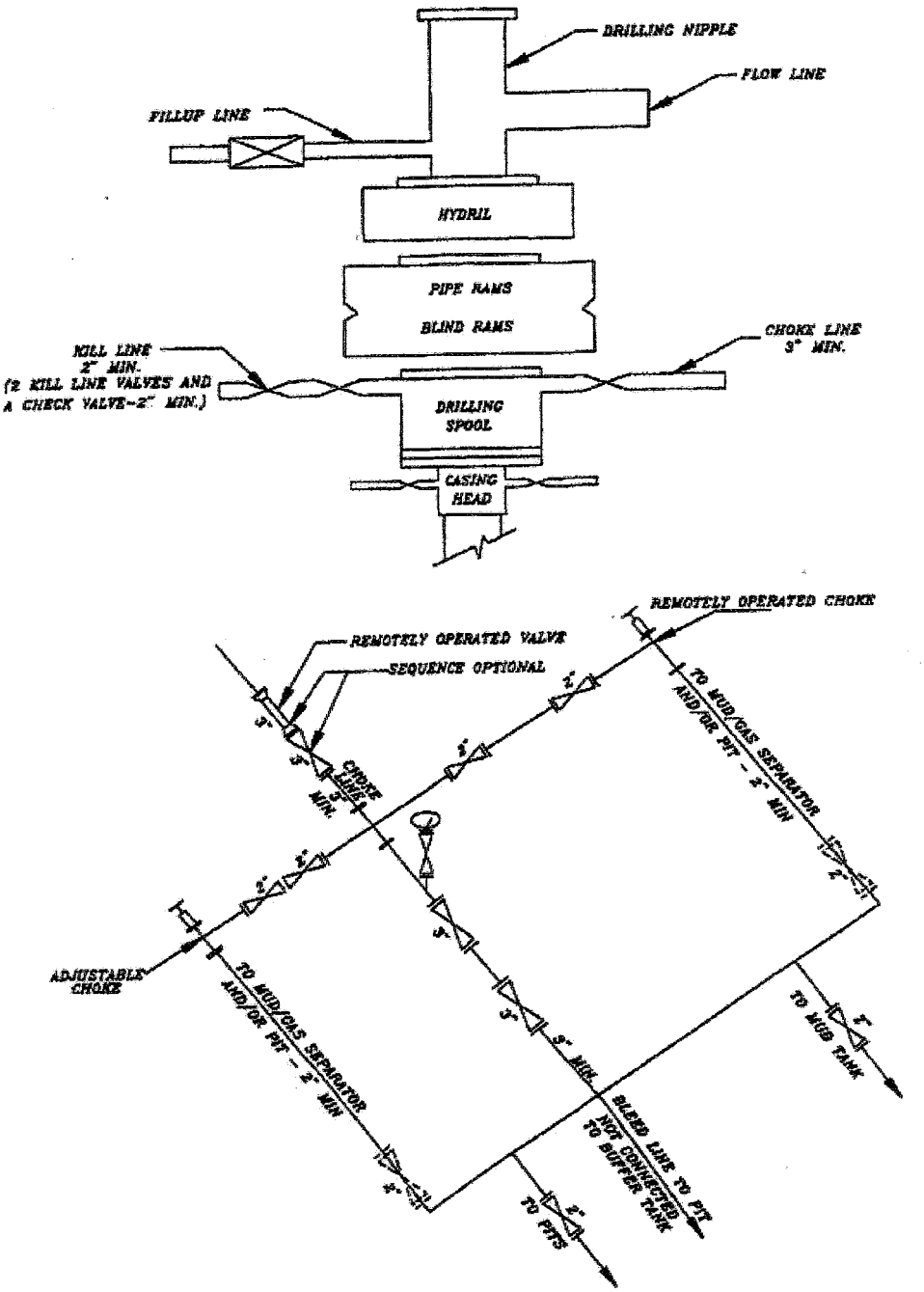
Conclusion

The air rig operating procedures and the attached air rig layout have effectively maintained well control while drilling the surface holes in KMG Fields. KMG respectfully requests a variance from Onshore Order 2 with respect to air drilling well control requirements as discussed above.

10. Other Information:

Please see Natural Buttes Unit SOP.

EXHIBIT A
NBU 920-15PT



SCHEMATIC DIAGRAM OF 5,000 PSI BOP STACK

NBU 920-15PT
SESE Sec. 15 T9S R20E
Twin to NBU 322-15E
UINTAH COUNTY, UTAH
UTU-000578A

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. **Existing Roads:**

Refer to the attached location directions.

Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

2. **Planned Access Roads:**

No new access road is planned, as this is a twin location. Refer to Topo Map B.

Existence of pipelines; maximum grade; turnouts; major cut and fills, culverts, or bridges; gates, cattle guards, fence cuts, or modifications to existing facilities were determined at the on-site.

Please see the Natural Buttes Unit Standard Operating Procedure (SOP).

3. **Location of Existing Wells Within a 1-Mile Radius:**

Please refer to Topo Map C.

4. **Location of Existing & Proposed Facilities:**

Please see the Natural Buttes Unit SOP.

Refer to Topo Map D for the location of the proposed pipelines.

Variances to Best Management Practices (BMPs) Requested:

This exception to the BMP should be granted by the BLM Authorized Officer because indurated bedrock, such as sandstone, is at or within 2 feet of the surface and the soil has a poor history for successful rehabilitation.

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The requested color is Shadow gray (2.5Y 6/2), a non-reflective earthtone.

Interim Surface Reclamation Plan:

This exception is requested due to the current twin and multi-well program. If determined that this well will not be a candidate for either twinning &/or multi-well the operator shall spread the topsoil pile on the location up to the rig anchor points. The location will be reshaped to the original contour

to the extent possible. The operator will reseed the area using the BLM recommended seed mixture and reclamation methods.

5. **Location and Type of Water Supply:**

Please see the Natural Buttes SOP.

6. **Source of Construction Materials:**

Please see the Natural Buttes SOP.

7. **Methods of Handling Waste Materials:**

Please see the Natural Buttes SOP.

A plastic reinforced liner is to be used as discussed during on-site inspection. It will be a minimum of 20 mil thick and felt, with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap that could puncture the liner will be disposed of in the pit.

Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to one of the pre-approved disposal sites: RNI, Sec. 5, T9S, R22E, NBU #159, Sec. 35, T9S R21E, Ace Oilfield, Sec. 2, T6S, R20E, MC&MC, Sec. 12, T6S, R19E, Pipeline Facility Sec. 36, T9S, R20E,Goat Pasture Evaporation Pond SW/4 Sec. 16, T10S, R22E, Bonanza Evaporation Pond Sec. 2, T10S, R23E *(Request is in lieu of filing Form 3160-5, after initial production).*

8. **Ancillary Facilities:**

Please see the Natural Buttes SOP.

9. **Well Site Layout:** (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

Location size may change prior to the drilling of the well due to the current rig availability. If the proposed location is not large enough to accommodate the drilling rig. The location will be re-surveyed and a form 3160-5 will be submitted.

10. **Plans for Reclamation of the Surface:**

Please see the Natural Buttes SOP.

Operator shall call the BIA for the seed mixture when the final reclamation occurs.

11. **Surface/Mineral Ownership:**

The well pad and access road are located on lands owned by:

Ute Indian Tribe
P.O. Box 70
Fort Duchesne, Utah 84026
(435) 722-5141

The mineral ownership is listed below:

United States of America
Bureau of Land Management
170 South 500 East
Vernal, UT 84078
(435)781-4400

12. **Stipulations/Notices/Mitigation:**

There are no stipulations or notices for this location.

13. **Other Information:**

A Class III archaeological survey and Paleo Survey has been performed and will be submitted upon receipt.

14. **Lessee's or Operator's Representative & Certification:**

Raleen White
Sr. Regulatory Analyst
Kerr-McGee Oil & Gas Onshore LP
P.O. Box 173779
Denver, CO 80217-3779
(720) 929-6666

Tommy Thompson
Drilling Manager
Kerr-McGee Oil & Gas Onshore LP
P.O. Box 173779
Denver, CO 80217-3779
(720) 929-6724

Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

Kerr-McGee Oil & Gas Onshore LP is considered to be the operator of the subject well. Kerr-McGee Oil & Gas Onshore LP agrees to be responsible under the terms and conditions of the lease for the operations conducted upon leased lands.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Bureau of Land Management Nationwide Bond #WYB000291.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that I have full knowledge of the State and Federal laws applicable to this operation; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.

Raleen White

Raleen White

2/9/2009

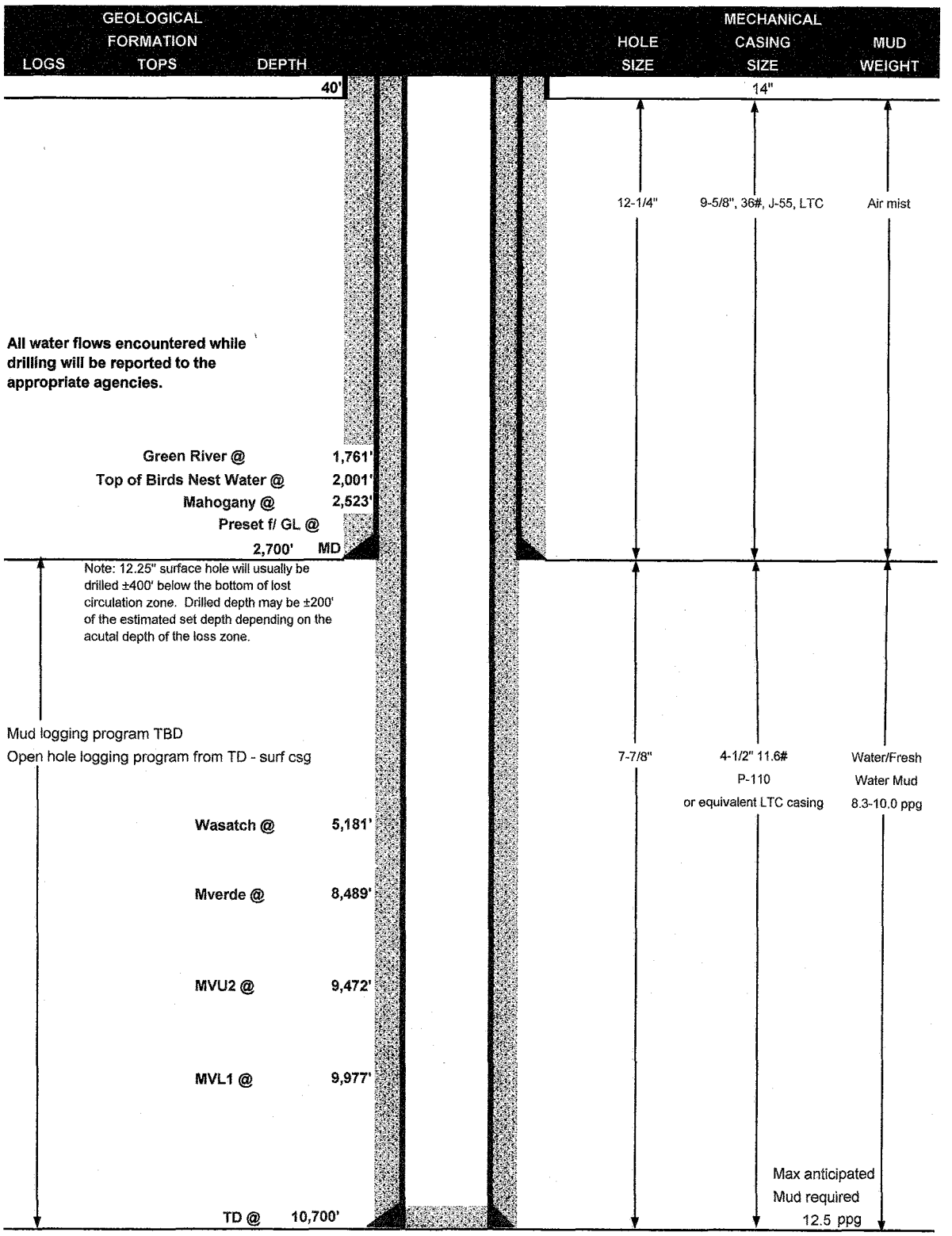
Date

KerrMcGee

KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

COMPANY NAME	KERR-McGEE OIL & GAS ONSHORE LP			DATE	February 9, 2009		
WELL NAME	**NBU 920-15PT**			TD	10,700' MD/TVD		
FIELD	Natural Buttes	COUNTY	Uintah	STATE	Utah	ELEVATION	4,833' GL KB 4,848'
SURFACE LOCATION	SE/4 SE/4 591' FSL 696' FEL	Sec 15	T 9S	R 20E		BHL	Straight Hole
	Latitude: 40.029726	Longitude:	-109.646071		NAD 83		
OBJECTIVE ZONE(S)	Wasatch/Mesaverde						
ADDITIONAL INFO	Regulatory Agencies: BLM (MINERALS), BIA (SURFACE), UDOGM, Tri-County Health Dept.						



KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'						
						3,520	2,020	453,000
SURFACE	9-5/8"	0 to 2700	36.00	J-55	LTC	0.77	1.60	5.93
						10,690	7,580	279,000
PRODUCTION	4-1/2"	0 to 10700	11.60	P-110	LTC	2.32	1.09	2.58

1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point))

2) MASP (Prod Casing) = Pore Pressure at TD - (0.22 psi/ft-partial evac gradient x TD)
(Burst Assumptions: TD = 12.5 ppg) 0.22 psi/ft = gradient for partially evac wellbore
(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)
MASP 4,479 psi

3) Maximum Anticipated Bottom Hole Pressure (MABHP) = Pore Pressure at TD
(Burst Assumptions: TD = 12.5 ppg) 0.64 psi/ft = bottomhole gradient
(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)
MABHP 6,833 psi

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500	Premium cmt + 2% CaCl	215	60%	15.60	1.18
Option 1			+ .25 pps flocele				
	TOP OUT CMT (1)	200	20 gals sodium silicate + Premium cmt	50		15.60	1.18
			+ 2% CaCl + .25 pps flocele				
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE		**NOTE: If well will circulate water to surface, option 2 will be utilized**					
Option 2	LEAD	1500	Prem cmt + 16% Gel + 10 pps gilsonite	170	35%	11.00	3.82
			+.25 pps Flocele + 3% salt BWOC				
	TAIL	500	Premium cmt + 2% CaCl	180	35%	15.60	1.18
			+ .25 pps flocele				
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	4,680'	Premium Lite II + 3% KCl + 0.25 pps	510	60%	11.00	3.38
			celloflake + 5 pps gilsonite + 10% gel				
			+ 0.5% extender				
	TAIL	6,020'	50/50 Poz/G + 10% salt + 2% gel	1680	60%	14.30	1.31
			+ 1% R-3				

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained
*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. The BOPE will be installed before the production hole is drilled and tested to 5,000 psi (annular to 2,500 psi) prior to drilling out the surface casing shoe. Record on chart recorder and tour sheet. Function test rams on each trip. Maintain safety valve and inside BOP on rig floor at all times. Most rigs have top drives; however, if used, the Kelly is to be equipped with upper and lower kelly valves.

Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

Most rigs have PVT Systems for mud monitoring. If no PVT is available, visual monitoring will be utilized.

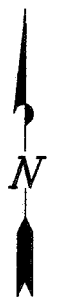
DRILLING ENGINEER: _____ **DATE:** _____
John Huycke / Grant Schluender

DRILLING SUPERINTENDENT: _____ **DATE:** _____
John Merkel / Lovel Young

WELL PAD INTERFERENCE PLAT

NBU 920-15PT

BASIS OF BEARINGS IS THE EAST LINE OF THE OF THE SE 1/4 OF SECTION 15, T9S, R20E, S.L.B.&M. WHICH IS TAKEN FROM GLOBAL POSITIONING SATELLITE OBSERVATIONS TO BEAR N00°11'39"W.



LATITUDE & LONGITUDE Surface Position – (NAD 83)		
WELL	N. LATITUDE	W. LONGITUDE
920-15PT	40°01'47.013" 40.029726°	109°38'45.856" 109.646071°
Exiting Well NBU 322-15E	40°01'47.692" 40.029914°	109°38'45.395" 109.645943°

LATITUDE & LONGITUDE Surface Position – (NAD 27)		
WELL	N. LATITUDE	W. LONGITUDE
920-15PT	40°01'47.141" 40.029761°	109°38'43.364" 109.645379°
Exiting Well NBU 322-15E	40°01'47.820" 40.029950°	109°38'42.902" 109.645251°

SURFACE POSITION FOOTAGES:

NBU 920-15PT
591' FSL & 696' FEL

EXISTING WELL NBU 322-15E
661' FSL & 660' FEL

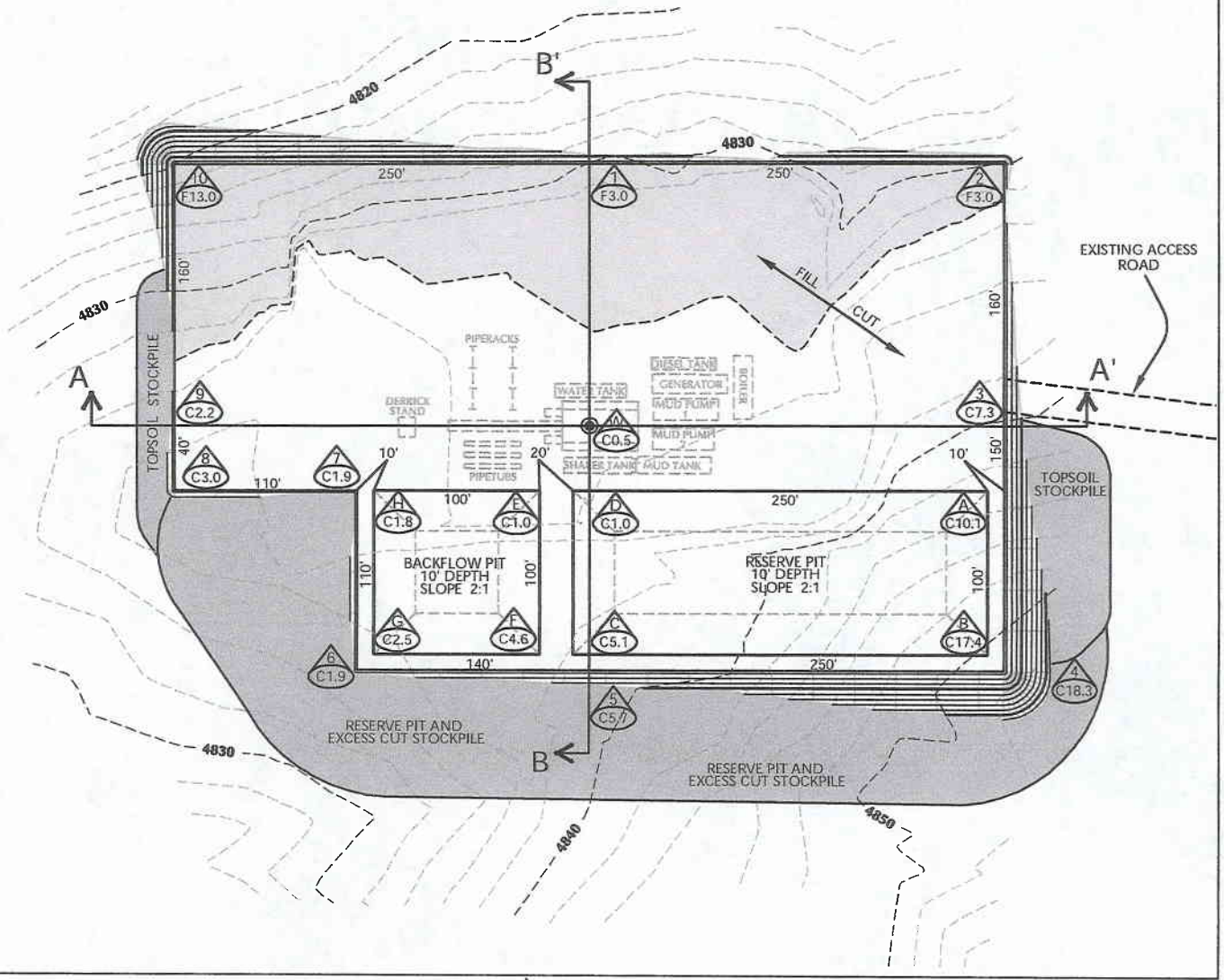
Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street – Denver, Colorado 80202

NBU 920-15PT
LOCATED IN SECTION 15, T9S, R20E,
S.L.B.&M. UINTAH COUNTY, UTAH.

CONSULTING, LLC
371 Coffeen Avenue
Sheridan WY 82801
Phone 307-674-0609
Fax 307-674-0182

DATE SURVEYED: 11-11-08	SURVEYED BY: M.S.B.
DATE DRAWN: 01-21-09	DRAWN BY: M.W.W.
	REVISED:

Timberline (435) 789-1365
Engineering & Land Surveying, Inc.
209 NORTH 300 WEST VERNAL, UTAH 84078



WELL PAD LEGEND

- WELL LOCATION
- EXISTING CONTOURS (2' INTERVAL)
- PROPOSED CONTOURS (2' INTERVAL)

WELL PAD NBU 920-15PT QUANTITIES

EXISTING GRADE @ LOC. STAKE = 4,833.5'
FINISHED GRADE ELEVATION = 4,833.0'
CUT SLOPES = 1.5:1
FILL SLOPES = 1.5:1

TOTAL CUT FOR WELL PAD = 14,354 C.Y.
TOTAL FILL FOR WELL PAD = 4,953 C.Y.
TOPSOIL @ 6" DEPTH = 2,965 C.Y.
EXCESS MATERIAL = 9,401 C.Y.
TOTAL DISTURBANCE = 3.68 ACRES
SHRINKAGE FACTOR = 1.10
SWELL FACTOR = 1.00
RESERVE PIT CAPACITY (2' OF FREEBOARD)
+/- 25,880 BARRELS
RESERVE PIT VOLUME
+/- 7,185 CY
BACKFLOW PIT CAPACITY (2' OF FREEBOARD)
+/- 8,780 BARRELS
BACKFLOW PIT VOLUME
+/- 2,520 CY

HORIZONTAL 0 50 100 1" = 100'
2' CONTOURS

KERR-MCGEE OIL & GAS
ONSHORE L.P.
1099 18th Street - Denver, Colorado 80202

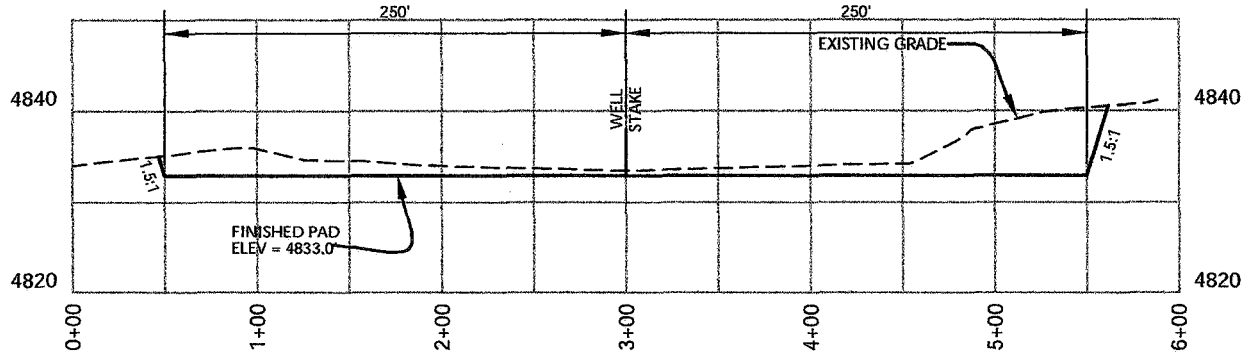
NBU 920-15PT
WELL PAD - LOCATION LAYOUT
591' FSL, 696' FEL
SE1/4 SE1/4, SECTION 15, T9S, R20E,
S.L.B.&M., UINTAH COUNTY, UTAH

609 CONSULTING, LLC
371 Coffeen Avenue
Sheridan WY 82801
Phone 307-674-0609
Fax 307-674-0182

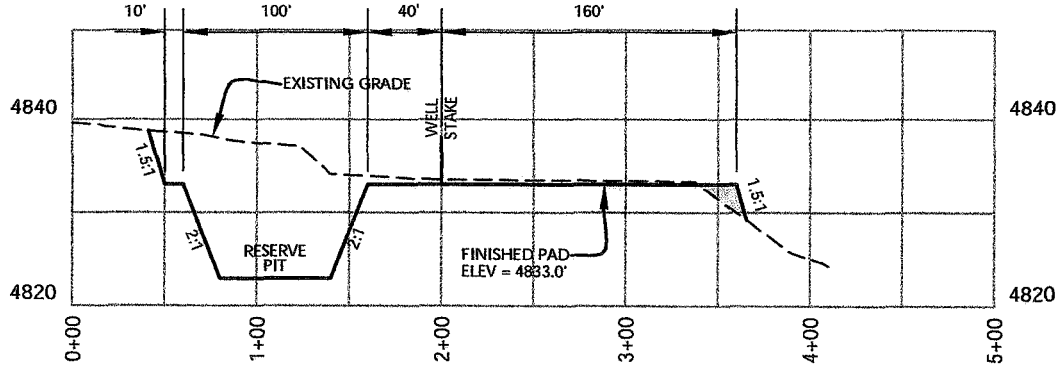
Scale: 1"=100'	Date: 1/12/09	SHEET NO:
REVISED:	BY DATE	3 3 OF 10

Timberline Engineering & Land Surveying, Inc.
38 WEST 100 NORTH VERNAL, UTAH 84078 (435) 789-1365

K:\MAIDARKO\2008_31_NBU_TRIBAL_2\DWGS\NBU_SEC-15 THRU 27,34.dwg, 1/21/2009 2:15:51 PM, PDF-XChange for AcroPlot Pro



CROSS SECTION A-A'



CROSS SECTION B-B'

NOTE: CROSS SECTION B-B' DEPICTS MAXIMUM RESERVE PIT DEPTH.

KERR-MCGEE OIL & GAS
ONSHORE L.P.
1099 18th Street - Denver, Colorado 80202

NBU 920-15PT
WELL PAD - CROSS SECTIONS
591' FSL, 696' FEL
SE1/4 SE1/4, SECTION 15, T.9S., R.20E.
S.L.B.&M., UINTAH COUNTY, UTAH

609 CONSULTING, LLC
371 Coffeen Avenue
Sheridan WY 82801
Phone 307-674-0609
Fax 307-674-0182

HORIZONTAL 0 50 100 1" = 100'
VERTICAL 0 10 20 1" = 20'

Scale: 1"=100'	Date: 1/12/09	SHEET NO:
REVISED:	BY DATE	4 4 OF 10

Timberline Engineering & Land Surveying, Inc.
38 WEST 100 NORTH VERNAL, UTAH 84078 (435) 789-1365

K:\ANADARKO\2008_31_NBU_TRIBAL_2\DWGS\NBU_SEC-15 THRU 27,34.dwg, 1/21/2009 2:21:16 PM, PDF-XChange for AcroPlot Pro

PHOTO VIEW: FROM PIT CORNER D TO LOCATION STAKE

CAMERA ANGLE: NORTHEASTERLY

PHOTO VIEW: FROM EXISTING ROAD

CAMERA ANGLE: NORTHWESTERLY

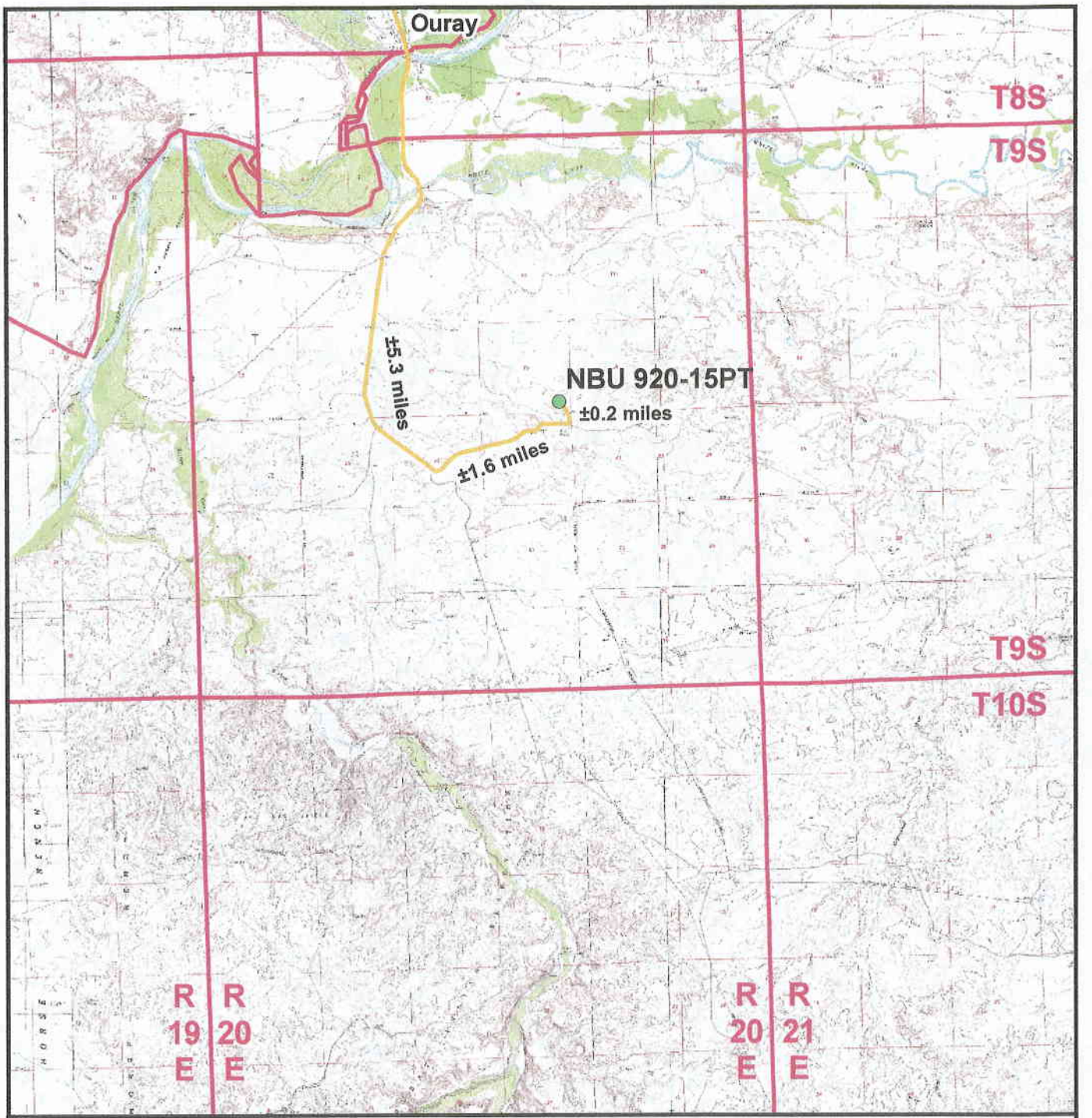
Kerr–McGee
Oil & Gas Onshore, LP
1099 18th Street – Denver, Colorado 80202

NBU 920-15PT
591' FSL, 696' FEL
SE ¼ SE ¼ OF SECTION 15, T9S, R20E,
S.L.B.&M. UINTAH COUNTY, UTAH.

CONSULTING, LLC
371 Coffeen Avenue
Sheridan WY 82801
Phone 307-674-0609
Fax 307-674-0182

LOCATION PHOTOS		DATE TAKEN: 11-11-08
		DATE DRAWN: 11-14-08
TAKEN BY: M.S.B.	DRAWN BY: E.M.S.	REVISED: 01-21-09

Timberline Engineering & Land Surveying, Inc. (435) 789-1365
209 NORTH 300 WEST VERNAL, UTAH 84078



Legend

- Proposed NBU 920-15PT Well Location
- Access Route - Proposed

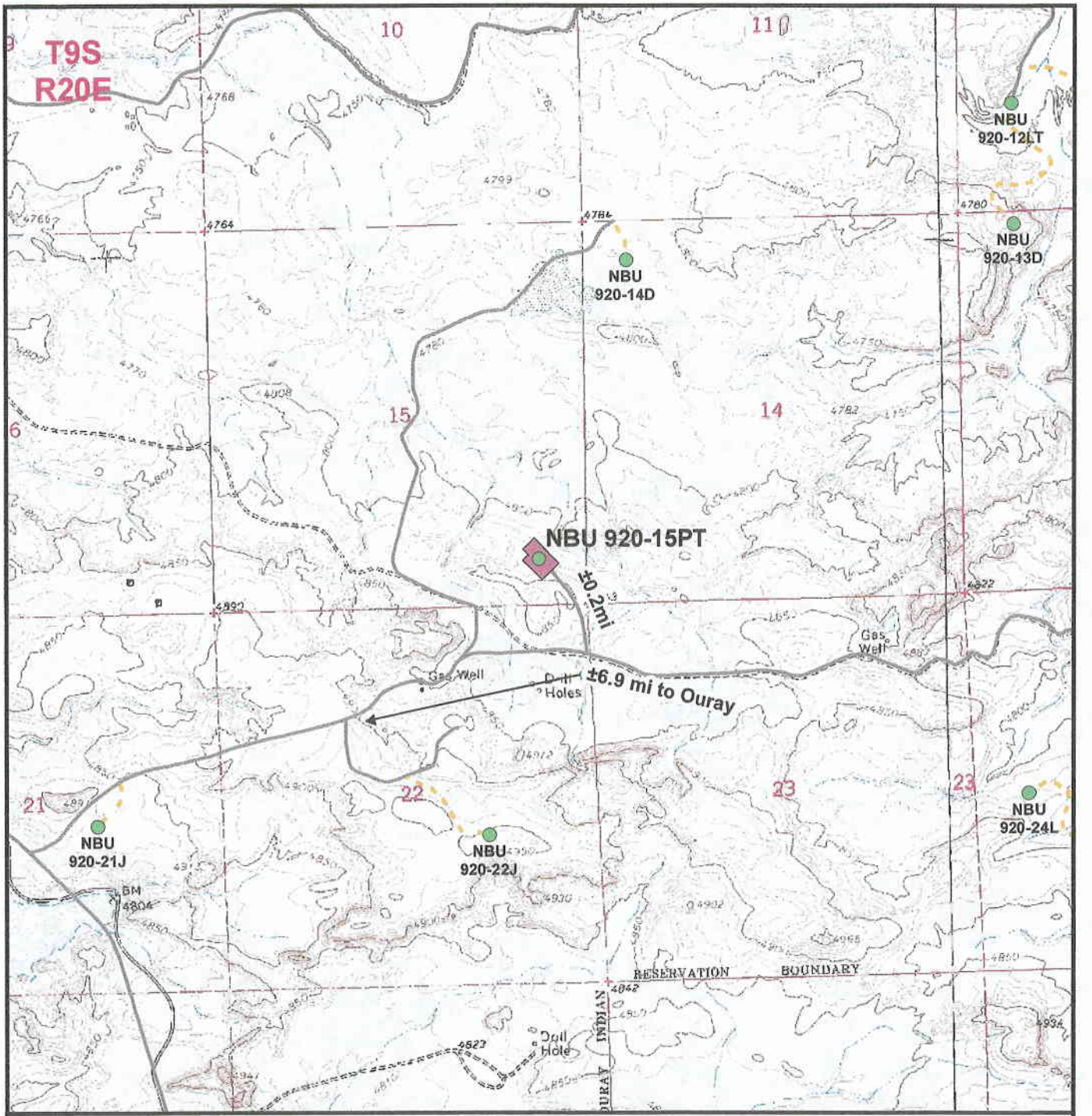
Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street, Denver, Colorado 80202

NBU 920-15PT
Topo A
591' FSL, 696' FEL
SE¼ SE¼, Section 15, T9S, R20E
S.L.B.&M., Uintah County, Utah

609 CONSULTING, LLC
371 Coffeen Avenue
Sheridan, WY 82801
Phone (307) 674-0609
Fax (307) 674-0182

N

Scale: 1:100,000	NAD83 USP Central	Sheet No: 6	6 of 10
Drawn: JELo	Date: 12 Jan 2009		
Revised:	Date:		



Legend

Well - Proposed | Well Pad | Road - Proposed | Road - Existing

Total Proposed Road Length: ±0ft

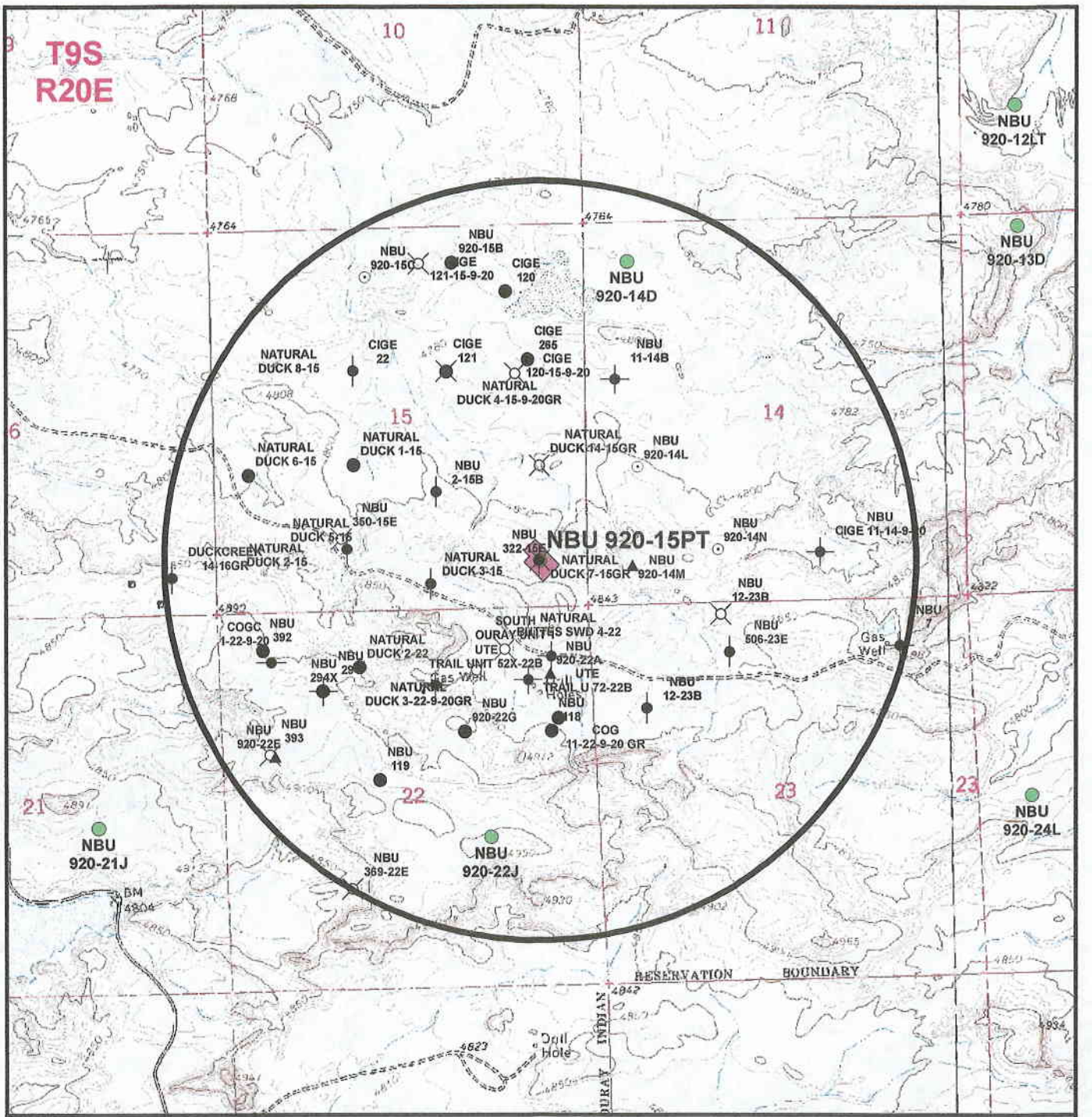
Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street, Denver, Colorado 80202

NBU 920-15PT
Topo B
591' FSL, 696' FEL
SE¼ SE¼, Section 15, T9S, R20E
S.L.B.&M., Uintah County, Utah

609 CONSULTING, LLC
371 Coffeen Avenue
Sheridan, WY 82801
Phone (307) 674-0609
Fax (307) 674-0182

N

Scale: 1" = 2000ft	NAD83 USP Central	Sheet No: 7	7 of 10
Drawn: JELo	Date: 12 Jan 2009		
Revised:	Date:		



Legend

Well locations derived from State of Utah, Dept. of Natural Resources, Division of Oil, Gas and Mining

- Well - Proposed
- Well - 1 Mile Radius
- Well Pad
- Producing
- Approved permit (APD); not yet spudded
- Spudded (Drilling commenced: Not yet comple
- Location Abandoned
- Temporarily-Abandoned
- Plugged and Abandoned
- Shut-In

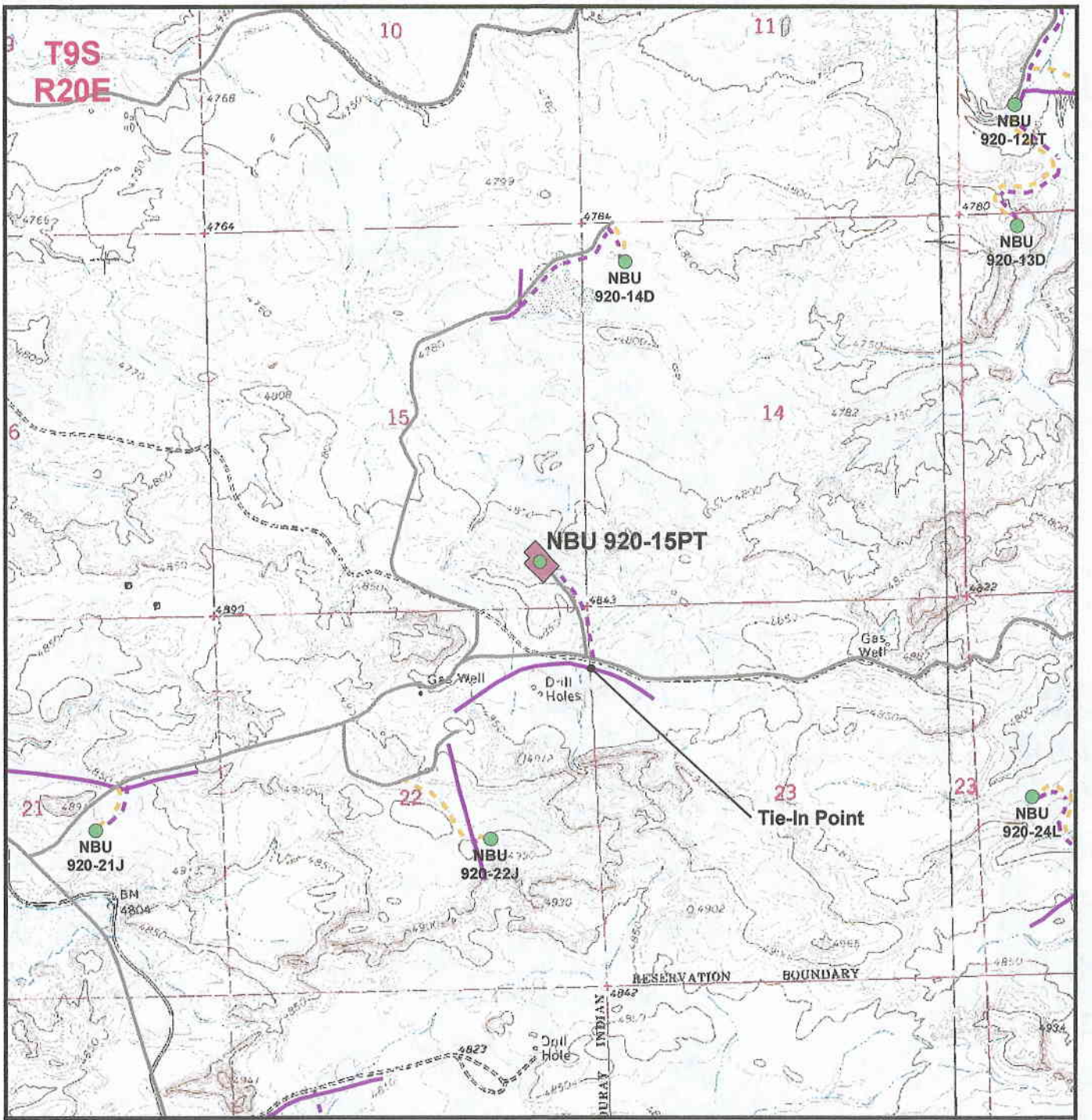
Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street, Denver, Colorado 80202

NBU 920-15PT
Topo C
591' FSL, 696' FEL
SE¼ SE¼, Section 15, T9S, R20E
S.L.B.&M., Uintah County, Utah

609 CONSULTING, LLC
371 Coffeen Avenue
Sheridan, WY 82801
Phone (307) 674-0609
Fax (307) 674-0182

N

Scale: 1" = 2000ft	NAD83 USP Central	Sheet No: 8	8 of 10
Drawn: JELo	Date: 12 Jan 2009		
Revised:	Date:		



Legend

Well - Proposed | Well Pad | Pipeline - Proposed | Road - Proposed | Pipeline - Existing | Road - Existing

Proposed Pipeline Length From Tie-In Point To Edge Of Pad: ±1,520ft
Proposed Pipeline Length Around Pad: ±660ft

Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street, Denver, Colorado 80202

NBU 920-15PT
Topo D
591' FSL, 696' FEL
SE¼ SE¼, Section 15, T9S, R20E
S.L.B.&M., Uintah County, Utah

609 CONSULTING, LLC
371 Coffeen Avenue
Sheridan, WY 82801
Phone (307) 674-0609
Fax (307) 674-0182

N

Scale: 1" = 2000ft	NAD83 USP Central	Sheet No: 9	9 of 10
Drawn: JELo	Date: 12 Jan 2009		
Revised:	Date:		

Kerr-McGee Oil & Gas Onshore, LP
NBU 920-15PT
Section 15, T9S, R20E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 13.9 MILES TO THE JUNCTION OF STATE HIGHWAY 88. EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION ALONG STATE HIGHWAY 88 APPROXIMATELY 16.8 MILES TO OURAY, UTAH. FROM OURAY, PROCEED IN A SOUTHERLY DIRECTION ALONG THE SEEP RIDGE ROAD (COUNTY B ROAD 2810) APPROXIMATELY 5.3 MILES TO THE INTERSECTION OF AN EXISTING ROAD TO THE EAST. EXIT LEFT AND PROCEED IN A NORTHEASTERLY DIRECTION ALONG EXISTING ROAD APPROXIMATELY 1.6 MILES TO THE EXISTING ACCESS ROAD. EXIT LEFT AND PROCEED IN A NORTHERLY DIRECTION ALONG THE ACCESS ROAD APPROXIMATELY 0.2 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 37.8 MILES IN A SOUTHERLY DIRECTION.

WORKSHEET

APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 02/17/2009

API NO. ASSIGNED: 43-047-40535

WELL NAME: NBU 920-15PT

OPERATOR: KERR-MCGEE OIL & GAS (N2995)

PHONE NUMBER: 720-929-6666

CONTACT: RALEEN WHITE

PROPOSED LOCATION:

SESE 15 090S 200E

SURFACE: 0591 FSL 0696 FEL

BOTTOM: 0591 FSL 0696 FEL

COUNTY: UINTAH

LATITUDE: 40.02965 LONGITUDE: -109.6454

UTM SURF EASTINGS: 615579 NORTHINGS: 4431716

FIELD NAME: NATURAL BUTTES (630)

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-000578A

SURFACE OWNER: 2 - Indian

PROPOSED FORMATION: WSMVD

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

✓ Plat

✓ Bond: Fed[1] Ind[] Sta[] Fee[]
(No. WYB000291)

N Potash (Y/N)

N Oil Shale 190-5 (B) or 190-3 or 190-13

✓ Water Permit
(No. 43-8496)

N RDCC Review (Y/N)
(Date:)

NA Fee Surf Agreement (Y/N)

NA Intent to Commingle (Y/N)

LOCATION AND SITING:

___ R649-2-3.

Unit: NATURAL BUTTES

___ R649-3-2. General

Siting: 460 From Qtr/Qtr & 920' Between Wells

___ R649-3-3. Exception

✓ Drilling Unit

Board Cause No: 173-14

Eff Date: 12-2-1999

Siting: 460' fr uldrs & uncommit tract

___ R649-3-11. Directional Drill

COMMENTS: Sop, Separate file

STIPULATIONS: 1- Federal Approval

2- Oil Shale

API Number: 4304740535

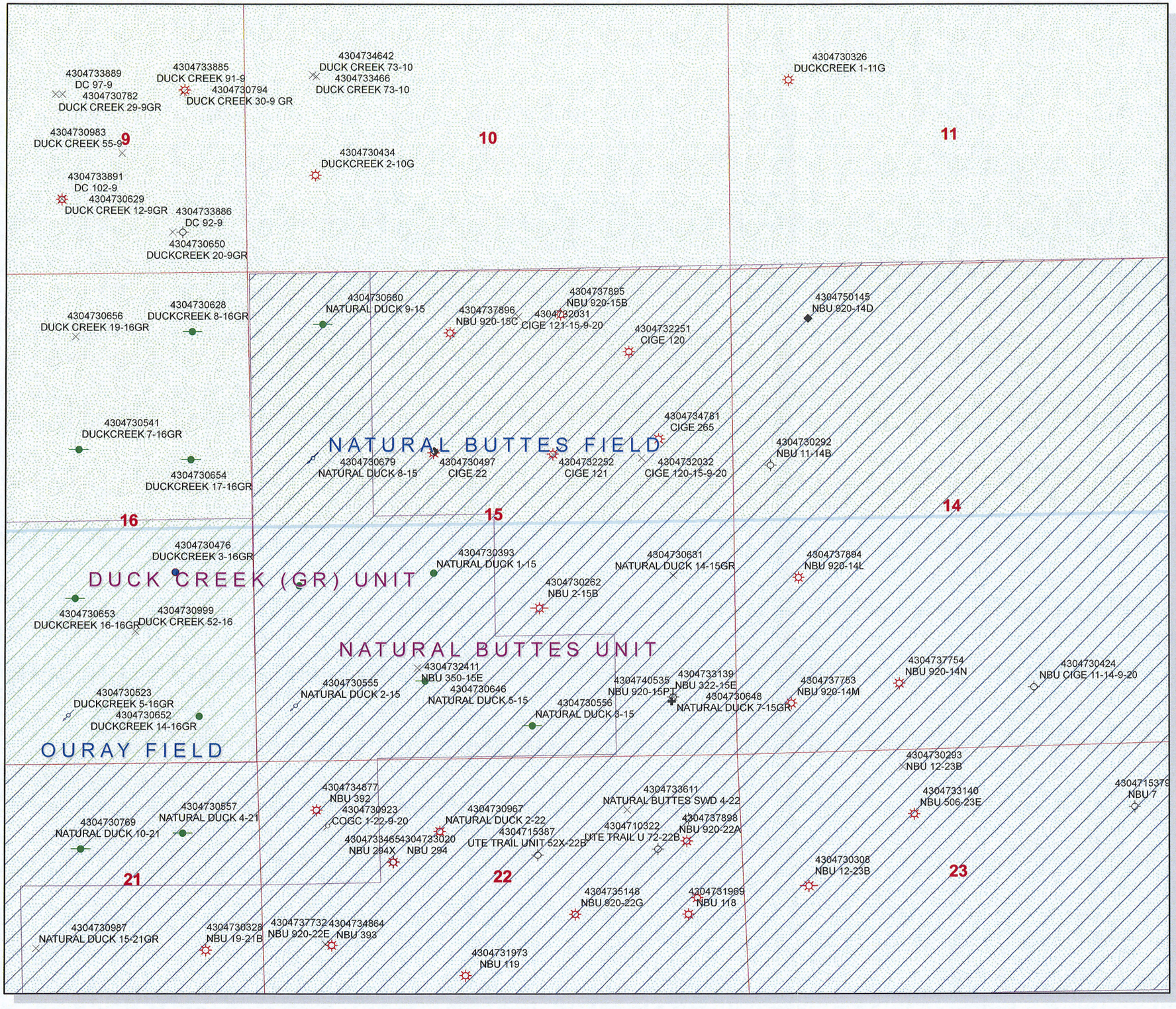
Well Name: NBU 920-15PT

Township 09.0 S Range 20.0 E Section 15

Meridian: SLBM

Operator: KERR-MCGEE OIL & GAS ONSHORE, L.P.

Map Prepared:
Map Produced by Diana Mason



Units

STATUS
- ACTIVE
- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Fields

STATUS
- ACTIVE
- COMBINED
- Sections

Wells Query Events
- <all other values>

GIS_STAT_TYPE
- <Null>
- APD
- DRL
- GI
- GS
- LA
- NEW
- OPS
- PA
- PGW
- POW
- RET
- SGW
- SOW
- TA
- TW
- WD
- WI
- WS

1,500 750 0 1,500 Feet

1:13,293

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
3160
(UT-922)

March 2, 2009

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2009 Plan of Development Natural Buttes Unit Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2009 within the Natural Buttes Unit, Uintah County, Utah.

API #	WELL NAME	LOCATION
(Proposed PZ Wasatch/MesaVerde)		
43-047-40553	NBU 920-29O	Sec 29 T09S R20E 0746 FSL 2465 FEL
43-047-40554	NBU 920-29L	Sec 29 T09S R20E 1572 FSL 0754 FWL
43-047-40555	NBU 920-29M	Sec 29 T09S R20E 0159 FSL 0757 FWL
43-047-40556	NBU 920-29I	Sec 29 T09S R20E 2164 FSL 0400 FEL
43-047-40557	NBU 920-29K	Sec 29 T09S R20E 2208 FSL 2197 FWL
43-047-40558	NBU 920-29P	Sec 29 T09S R20E 1038 FSL 0018 FEL
43-047-40559	NBU 920-29J	Sec 29 T09S R20E 1977 FSL 1747 FEL
43-047-40560	NBU 920-29N	Sec 29 T09S R20E 1254 FSL 2098 FWL
43-047-40542	NBU 920-22O	Sec 22 T09S R20E 0198 FSL 2487 FEL
43-047-40543	NBU 920-22K	Sec 22 T09S R20E 2128 FSL 2497 FWL
43-047-40544	NBU 920-22I	Sec 22 T09S R20E 1965 FSL 0599 FEL
43-047-40545	NBU 920-22J	Sec 22 T09S R20E 2086 FSL 1575 FEL
43-047-40538	NBU 920-20B	Sec 20 T09S R20E 1229 FNL 1580 FEL
43-047-40536	NBU 920-20C	Sec 20 T09S R20E 0963 FNL 1754 FWL
43-047-40537	NBU 920-20F	Sec 20 T09S R20E 1794 FNL 2199 FWL
43-047-40539	NBU 920-20E	Sec 20 T09S R20E 1644 FNL 1084 FWL
43-047-40540	NBU 920-20D	Sec 20 T09S R20E 0646 FNL 0686 FWL
43-047-40541	NBU 920-21J	Sec 21 T09S R20E 2346 FSL 1748 FEL
43-047-40561	NBU 920-32E	Sec 32 T09S R20E 2052 FNL 0707 FWL
43-047-40562	NBU 920-32K	Sec 32 T09S R20E 2095 FSL 1813 FWL
43-047-40567	NBU 920-33D	Sec 33 T09S R20E 0821 FNL 0925 FWL
43-047-40568	NBU 920-33L	Sec 33 T09S R20E 2299 FSL 0625 FWL
43-047-40574	NBU 920-33E	Sec 33 T09S R20E 2079 FNL 0611 FWL
43-047-40575	NBU 920-33C	Sec 33 T09S R20E 0971 FNL 1851 FWL

43-047-40576 NBU 920-33F Sec 33 T09S R20E 2048 FNL 1845 FWL
43-047-40535 NBU 920-15PT Sec 15 T09S R20E 0591 FSL 0696 FEL

This office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard

bcc: File – Natural Buttes Unit
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:3-2-09

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

March 2, 2009

Kerr-McGee Oil & Gas Onshore, LP
P O Box 173779
Denver, CO 80217-3779

Re: NBU 920-15PT Well, 591' FSL, 696' FEL, SE SE , Sec. 15, T. 9 South, R. 20 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-40535.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Uintah County Assessor
Bureau of Land Management, Vernal Office

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • *www.ogm.utah.gov*

UTAH DNR OIL, GAS & MINING

Operator: Kerr-McGee Oil & Gas Onshore, LP

Well Name & Number NBU 920-15PT

API Number: 43-047-40535

Lease: UTU-000578A

Location: SE SE **Sec.** 15 **T.** 9 South **R.** 20 East

Conditions of Approval

1. General

   Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

   Notify the Division within 24 hours of spudding the well.

   - Contact Carol Daniels at (801) 538-5284.

   Notify the Division prior to commencing operations to plug and abandon the well.

   - Contact Dustin Doucet at (801) 538-5281 office (801) 733-0983 home

3. Reporting Requirements

   All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.

RECEIVED

DEC 2 4 2009

DIV. OF OIL, GAS & MINING

Form 3160-3
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: July 31, 2010

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.: UTU-00578A ✓

6. If Indian, Allottee or Tribe Name: Ute Tribe

7. If Unit or CA Agreement, Name and No.: 891008900A

1a. Type of Work: [X] DRILL [ ] REENTER

1b. Type of Well: [ ] Oil Well [X] Gas Well [ ] Other [ ] Single Zone [X] Multiple Zone

8. Lease Name and Well No.: NBU 920-15PT

2. Name of Operator: Kerr-McGee Oil & Gas Onshore, LP

9. API Well No.: 43 047 40535

3a. Address: PO Box 173779, Denver, CO 80217-3779

3b. Phone No. *(include area code)*: Raleen White 720-929-6666

10. Field and Pool, or Exploratory: Natural Buttes Field

4. Location of well *(Report location clearly and In accordance with any State requirements.*)* *NAD 83*
At surface: 591' FSL 696' FEL SE/4 SE/4 Lat. 40.029726 Long. -109.646071
At proposed prod. zone

11. Sec.,T.,R.,M.,or Blk.and Survey or Area: 15 T 9S R 20E S.L.B. & M.

14. Distance in miles and direction from the nearest town or post office*: Approximately 38 miles south of Vernal, Utah

12. County or Parish: Uintah

13. State: Utah

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. unit line, if any)	16. No. of acres in lease	17. Spacing Unit dedicated to this well
591'	40.00	Unit well
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	**19. Proposed Depth**	**20. BLM/ BIA Bond No. on file**
±78'	10,700'	WYB000291
21. Elevations (Show whether DF. RT, GR, etc.)	**22. Aproximate date work will start***	**23. Estimated duration**
4,833 ' GR KB	ASAP	10 days

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1 shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by existing bond on file(see item 20 above).
5. Operator certification.
6. Such other site specific information and/ or plans as may be required by the a authorized officer.

25. Signature	Name *(Printed/ Typed)*	Date
Raleen White	Raleen White	2-13-2009

Title: Sr Regulatory Analyst
E-mail: raleen.white@anadarko.com
Phone: 720-929-6666

Approved By *(Signature)*	Name *(Printed/ Typed)*	Date
Stephanie J Howard	Stephanie J Howard	12/21/09

Title: Acting Assistant Field Manager Lands & Mineral Resources
Office: VERNAL FIELD OFFICE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached. **CONDITIONS OF APPROVAL ATTACHED**

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

* *(Instructions on page 2)*

NOS APD POSTED 02/18/09

NOTICE OF APPROVAL

UDOGM

AFMSS# 09SX5067GA

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE
170 South 500 East VERNAL, UT 84078 (435) 781-4400

CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company:	**Kerr McGee Oil & Gas Onshore, LP**	**Location:**	**SESE, Sec. 15, T9S, R20E**
Well No:	**NBU 920-15PT**	**Lease No:**	**UTU-0578A**
API No:	**43-047-40535**	**Agreement:**	**Natural Buttes Unit**

RECEIVED
DEC 24 2009
DIV. OF OIL, GAS & MINING

OFFICE NUMBER: (435) 781-4400
OFFICE FAX NUMBER: (435) 781-3420

A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Construction Activity (Notify Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist)	-	The Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist shall be notified at least 48 hours in advance of any construction activity. The Ute Tribal office is open Monday through Thursday.
Construction Completion (Notify Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist)	-	Upon completion of the pertinent APD/ROW construction, notify the Ute Tribe Energy & Minerals Dept. for a Tribal Technician to verify the Affidavit of Completion. Notify the BLM Environmental Scientist prior to moving on the drilling rig.
Spud Notice (Notify BLM Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify BLM Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings to: ut_vn_opreport@blm.gov.
BOP & Related Equipment Tests (Notify BLM Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify BLM Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)

RECEIVED
DEC 24 2009
DIV. OF OIL, GAS & MINING

Site-Specific Conditions of Approval:

1. Paint New facilities "shadow gray."
2. Construct diversion drainages around well pad.
3. Remove the existing 4" pipeline.
4. Clean up trash on the well pad.
5. Monitor location by a permitted archaeologist during the construction process.
6. In accordance with the guidelines specified in the Utah BLM Field Office Guidelines for Raptor Protection from Human and Land Use Disturbances, 2002 (See Appendix D), a raptor survey shall be conducted prior to construction of the proposed location, pipeline, or access road if construction will take place during raptor nesting season (January 01 through September 30) and conduct its operations according to specification in the guidelines.
7. If project construction operation are scheduled to occur after June 18, 2010, KMG will conduct additional biological surveys in accordance with the guidelines specified I the USFWS Rare Plant Conservation Measures for Uinta Basin hookless cactus (See Appendix D) and conduct its operation according to its specifications.

BIA Standard Conditions of Approval:

1. Soil erosion will be mitigated by reseeding all disturbed areas.
2. The gathering pipelines will be constructed to lie on the surface. The surface pipelines will not be bladed or cleared of vegetation. Where pipelines are constructed parallel to roads they may be welded on the road and then lifted from the road onto the right-of-way. Where pipelines do not parallel roads but cross-country between sites, they shall be welded in place at well sites or on access roads and then pulled between stations with a suitable piece of equipment. Traffic will be restricted along these areas so that the pipeline right-of-way will not be used as an access road.
3. An open drilling system shall be used, unless otherwise specified in 10.0 Additional Stipulations of this document and in the Application for Permit to Drill. A closed drilling system shall be sued in all flood plain areas, and other highly sensitive areas, recommended by the Ute Tribe Technician, BIA, and other agencies involved.
4. The reserve pit shall be lined with a synthetic leak proof liner. After the drilling operation is complete, excess fluids shall be removed from the reserve pit and either hauled to an approved disposal site or shall be used to drill other wells. When the fluids are removed the pit shall be backfilled a minimum of 3.0' below the soil surface elevation.
5. A closed production system shall be used. This means all produced water and oil field fluid wastes shall be contained in leak proof tanks. These fluids shall be disposed of in either approved injection wells or disposal pits.
6. Major low water crossings will be armored with pit run material to protect them from erosion.
7. All personnel shall refrain from collecting any paleontological fossils and from disturbing any fossil resources in the area.

8. If fossils are exposed or identified during construction, all construction must cease and immediate notification to the Energy and Minerals Department and the Cultural Rights Protection Officer.
9. Before the site is abandoned the company will be required to restore the right-of-way to near its original state. The disturbed area will be reseeded with desirable perennial vegetation. If necessary, the Bureau of Indian Affairs or Bureau of Land Management will provide a suitable seed mixture.
10. Noxious weeds will be controlled on all surface disturbances within the project area. If noxious weeds spread from the project area onto adjoining land, the company will also be responsible for their control.
11. If project construction operations are scheduled to occur after December 31, 2009, KMG shall conduct annual raptor surveys in accordance with the guidelines specified in the Utah Field Office Guidelines for Raptor Protection from Human and Land Use Disturbances, 2002 (See Appendix E) and conduct its operations according to applicable seasonal restrictions and spatial offsets.
12. USFWS threatened and endangered plant and animal conservation measures will be followed, as appropriate to the species identified by the biological resource survey (See Appendix E).
13. All personnel shall refrain from collecting artifacts and from disturbing any significant cultural resources in the area.
14. If artifacts or any culturally sensitive materials are exposed or identified during construction, all construction must cease and immediate notification to the Energy and Minerals Department and the Cultural Rights Protection Officer.

DOWNHOLE PROGRAM
CONDITIONS OF APPROVAL (COAs)

SITE SPECIFIC DOWNHOLE COAs:

- Kerr McGee and their contractors shall strictly adhere to all operating practices in the SOP (version: July 28, 2008) along with all Oil and Gas rules and requirements listed in the Code of Federal Regulations and all Federal Onshore Oil and Gas Orders except where variances have been granted.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**

- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.

- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.

- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.

- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**

- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.

- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.

- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:

    - Operator name, address, and telephone number.
    - Well name and number.
    - Well location (¼¼, Sec., Twn, Rng, and P.M.).
    - Date well was placed in a producing status (date of first production for which royalty will be paid).
    - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
    - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
    - Unit agreement and/or participating area name and number, if applicable.
    - Communitization agreement number, if applicable.

- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.

- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.

- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.

- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.

- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.

- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.

- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.

- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.

- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

API Well No: 43047405350000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-000578A

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE

7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: NBU 920-15PT

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047405350000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6007 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0591 FSL 0696 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 15 Township: 09.0S Range: 20.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 2/12/2010	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	✓ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Kerr-McGee Oil & Gas Onshore LP (Kerr-McGee) respectfully requests to change the surface casing size for this well from FROM: 9-5/8" TO: 8-5/8". Additionally, Kerr-McGee requests to change the cement program for this well due to a revised drilling procedure. The production casing will still be cemented it's entire length to the surface. Please see the attached drilling program for additional details. All other information remains the same. Please contact the undersigned with any questions and/or comments. Thank you.

Accepted by the Utah Division of Oil, Gas and Mining

Date: February 17, 2010

By:

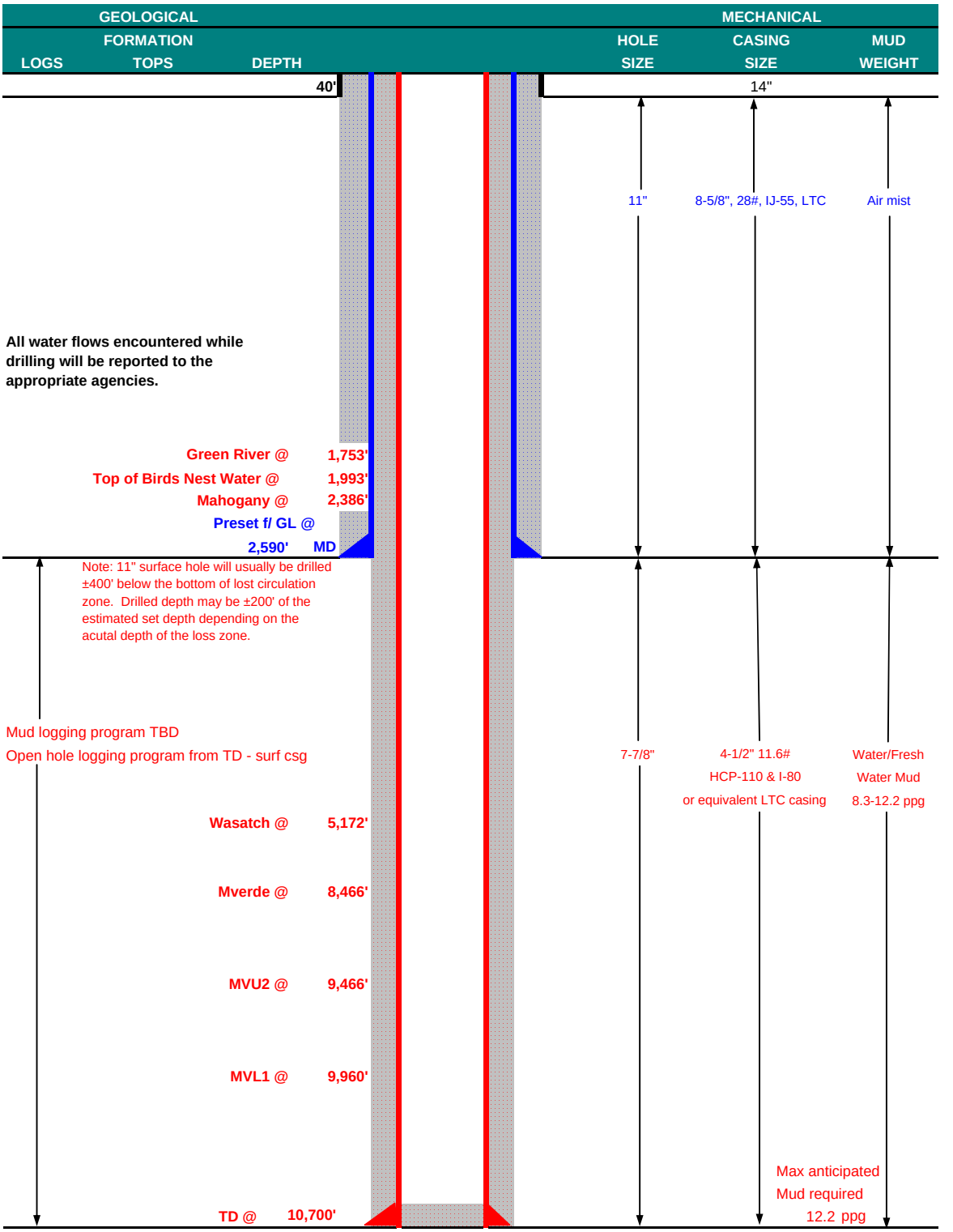
NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Danielle Piernot	720 929-6156	Regulatory Analyst
SIGNATURE N/A		**DATE** 2/11/2010

RECEIVED February 11, 2010

KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

COMPANY NAME	KERR-McGEE OIL & GAS ONSHORE LP			DATE	February 11, 2010
WELL NAME	**NBU 920-15PT**			TD	10,700' MD/TVD
FIELD	Natural Buttes	COUNTY	Uintah	STATE	Utah	FINISHED ELEVATION	4,833'
SURFACE LOCATION	SE/4 SE/4 591' FSL 696' FEL	Sec 15	T 9S	R 20E		BHL	Straight Hole
	Latitude: 40.029726	Longitude: -109.646071		NAD 83			
OBJECTIVE ZONE(S)	Wasatch/Mesaverde						
ADDITIONAL INFO	Regulatory Agencies: BLM (MINERALS), Ute Tribe (SURFACE), UDOGM, Tri-County Health Dept.						



KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'						
						3,390	1,880	348,000
SURFACE	8-5/8"	0 to 2590	28.00	IJ-55	LTC	0.76*	1.55	4.80
						7,780	6,350	201,000
PRODUCTION	4-1/2"	0 to 9600	11.60	I-80	LTC	1.75	1.04	1.99
						10,690	8,650	279,000
		9600 to 10700	11.60	HCP-110	LTC	2.41	1.27	26.88

*Burst on suface casing is controlled by fracture gradient as shoe with gas gradient above. D.F. = 2.08

1) Max Anticipated Surf. Press.(MASP) (Surf Csg) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac grad x TVD of next csg point))

2) MASP (Prod Casing) = Pore Pressure at TD - (0.22 psi/ft-partial evac gradient x TD)
(Burst Assumptions: TD = 12.2 ppg) 0.22 psi/ft = gradient for partially evac wellbore
(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)
MASP 4,312 psi

3) Maximum Anticipated Bottom Hole Pressure (MABHP) = Pore Pressure at TD
(Burst Assumptions: TD = 12.2 ppg) 0.62 psi/ft = bottomhole gradient
(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)
MABHP 6,666 psi

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	TAIL	500'	Premium cmt + 2% CaCl	215	60%	15.60	1.18
Option 1			+ 0.25 pps flocele				
	TOP OUT CMT (6 jobs)	1,200'	20 gals sodium silicate + Premium cmt	260	0%	15.60	1.18
			+ 2% CaCl + 0.25 pps flocele				
			Premium cmt + 2% CaCl				
SURFACE			**NOTE: If well will circulate water to surface, option 2 will be utilized**				
Option 2	LEAD	2,090'	Prem cmt + 16% Gel + 10 pps gilsonite	190	35%	11.00	3.82
			+ 0.25 pps Flocele + 3% salt BWOC				
	TAIL	500	Premium cmt + 2% CaCl	150	35%	15.60	1.18
			+ 0.25 pps flocele				
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	4,670'	Premium Lite II + 0.25 pps celloflake +	380	40%	11.00	3.38
			5 pps gilsonite + 10% gel '+ 1% Retarder				
	TAIL	6,030'	50/50 Poz/G + 10% salt + 2% gel	1480	40%	14.30	1.31
			+ 0.1% R-3				

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained
*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint for a total of 15 bow spring centralizers.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. The BOPE will be installed before the production hole is drilled and tested to 5,000 psi (annular to 2,500 psi) prior to drilling out the surface casing shoe. Record on chart recorder and tour sheet. Function test rams on each trip. Maintain safety valve and inside BOP on rig floor at all times. Most rigs have top drives; however, if used, the Kelly is to be equipped with upper and lower kelly valves.

Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

Most rigs have PVT Systems for mud monitoring. If no PVT is available, visual monitoring will be utililzed.

DRILLING ENGINEER: _____ **DATE:** _____
John Huycke / Emile Goodwin

DRILLING SUPERINTENDENT: _____ **DATE:** _____
John Merkel / Lovel Young

API Well No: 43047405350000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-000578A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE

7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES

1. TYPE OF WELL: Gas Well

8. WELL NAME and NUMBER: NBU 920-15PT

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047405350000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6007 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0591 FSL 0696 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 15 Township: 09.0S Range: 20.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 3/2/2010	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	✓ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Kerr-McGee Oil & Gas Onshore, L.P. (Kerr-McGee) respectfully requests an extension to this APD for the maximum time allowed. Please contact the undersigned with any questions and/or comments. Thank you.

Approved by the Utah Division of Oil, Gas and Mining

Date: March 01, 2010

By: Dustin Doucet

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Danielle Piernot	720 929-6156	Regulatory Analyst
SIGNATURE		**DATE**
N/A		2/25/2010

RECEIVED February 25, 2010

The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047405350000

API: 43047405350000
Well Name: NBU 920-15PT
Location: 0591 FSL 0696 FEL QTR SESE SEC 15 TWNP 090S RNG 200E MER S
Company Permit Issued to: KERR-MCGEE OIL & GAS ONSHORE, L.P.
Date Original Permit Issued: 3/2/2009

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- **If located on private land, has the ownership changed, if so, has the surface agreement been updated?** ○ **Yes** ◉ **No**
- **Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?** ○ **Yes** ◉ **No**
- **Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?** ○ **Yes** ◉ **No**
- **Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?** ○ **Yes** ◉ **No**
- **Has the approved source of water for drilling changed?** ○ **Yes** ◉ **No**
- **Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?** ○ **Yes** ◉ **No**
- **Is bonding still in place, which covers this proposed well?** ◉ **Yes** ○ **No**

Approved by the Utah Division of Oil, Gas and Mining

Signature: Danielle Piernot **Date:** 2/25/2010
Title: Regulatory Analyst **Representing:** KERR-MCGEE OIL & GAS ONSHORE, L.P.

Date: March 01, 2010

By: 

RECEIVED February 25, 2010

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: KERR McGEE OIL & GAS ONSHORE LP
Operator Account Number: N 2995
Address: P.O. Box 173779
city DENVER
state CO zip 80217
Phone Number: (720) 929-6100

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304740535	NBU 920-15PT		SESE	15	9S	20E	UINTAH
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
B	99999	2900	10/15/2010			10/19/10	

Comments: MIRU PETE MARTIN BUCKET RIG. WSMVD
SPUD WELL LOCATION ON 10/15/2010 AT 17:00 HRS.

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	

Comments:

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	

Comments:

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

GINA BECKER
Name (Please Print)

Signature

REGULATORY ANALYST
Title

10/18/2010
Date

RECEIVED
OCT 18 2010
DIV. OF OIL, GAS & MINING

(5/2000)

SUBMIT AS EMAIL | Print Form

BLM - Vernal Field Office - Notification Form

Operator KERR-McGEE OIL & GAS Rig Name/# BUCKET RIG
Submitted By ANDY LYTLE Phone Number 720.929.6100
Well Name/Number NBU 920-15PT
Qtr/Qtr SESE Section 15 Township 9S Range 20E
Lease Serial Number UTU-000578A
API Number 4304740535

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 10/14/2010 14:00 HRS AM ☐ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☑ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

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OCT 1 1 2010
DIV. OF OIL, GAS & MINING

Date/Time 10/26/2010 08:00 HRS AM ☐ PM ☐

BOPE

- ☐ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time _____ _____ AM ☐ PM ☐

Remarks ESTIMATED DATE AND TIME. PLEASE CONTACT KENNY GATHINGS AT 435.781.7048 OR LOVEL YOUNG AT 435.828.0986

API Well No: 43047405350000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-000578A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE

7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: NBU 920-15PT

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047405350000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779 **PHONE NUMBER:** 720 929-6007 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0591 FSL 0696 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 15 Township: 09.0S Range: 20.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
✓ SPUD REPORT Date of Spud: 10/15/2010	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

MIRU PETE MARTIN BUCKET RIG. DRILLED 20" CONDUCTOR HOLE TO 40'. RAN 14" 36.7# SCHEDULE 10 CONDUCTOR PIPE. CMT W/ 28 SX READY MIX. SPUD WELL LOCATION ON OCTOBER 15, 2010 AT 17:00 HRS.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
October 20, 2010

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Gina Becker	720 929-6086	Regulatory Analyst II
SIGNATURE N/A		**DATE** 10/18/2010

RECEIVED October 18, 2010

API Well No: 43047405350000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-000578A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE

7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: NBU 920-15PT

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047405350000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779 **PHONE NUMBER:** 720 929-6007 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0591 FSL 0696 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 15 Township: 09.0S Range: 20.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ DRILLING REPORT Report Date: 10/22/2010	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

MIRU PROPETRO AIR RIG ON OCTOBER 19, 2010. DRILLED 11" SURFACE HOLE TO 2520'. RAN 8 5/8" 28# IJ-55 SURFACE CSG. PUMP 20 BBLS FRESH WATER. PUMP 20 BBLS GEL WATER. LEAD CEMENT W/ 180 SX CLASS G PREM @ 11.0 PPG, 3.82 YD. TAILED CEMENT W/ 200 SX CLASS G PREM LITE @ 15.8 PPG, 1.15 YD. DROP PLUG ON THE FLY, DISPLACED W/ 125 BBLS WATER. FULL RETURNS. LIFT PRESSURE WAS 100 PSI, BUMP PLUG & HOLD 500 PSI FOR 5 MIN. FLOAT HELD. 27 BBLS GOOD CMT TO PIT. TOP OUT DOWN 1" PUMP 100 SX SAME CEMENT WORT.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
October 25, 2010

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Gina Becker	720 929-6086	Regulatory Analyst II
SIGNATURE N/A		**DATE** 10/22/2010

RECEIVED October 22, 2010

SUBMIT AS EMAIL | Print Fo

BLM - Vernal Field Office - Notification Form

Operator ANADARKO Rig Name/# PIONEER 69
Submitted By BRAD PEDERSEN Phone Number 435-828-0982
Well Name/Number NBU 920-15PT
Qtr/Qtr SE/SE Section 15 Township 9S Range 20E
Lease Serial Number UTU-000578A
API Number 43-047-40535

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time _____ _____ AM ☐ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☐ Surface Casing
- ☐ Intermediate Casing
- ☑ Production Casing
- ☐ Liner
- ☐ Other

Date/Time 11/21/2010 06:00 AM ☑ PM ☐

BOPE

- ☐ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time _____ _____ AM ☐ PM ☐

Remarks TIME IS APPROXAMATELY

RECEIVED
NOV 22 2010
DIV. OF OIL, GAS & MINING

API Well No: 43047405350000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-000578A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE

7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: NBU 920-15PT

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047405350000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6007 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0591 FSL 0696 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 15 Township: 09.0S Range: 20.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ DRILLING REPORT Report Date: 11/22/2010	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

FINISHED DRILLING FROM 2520' TO 10,770' ON NOVEMBER 19, 2010. RAN 4 ½" 11.6# I-80 PRODUCTION CSG. PUMP 40 BBLS SPACER, LEAD CEMENT W/ 730 SX CLASS G PREM LITE @ 13.3 PPG, 1.66 YD. TAILED CEMENT W/ 1322 SX CLASS G 50/50 POZ MIX @ 14.3 PPG, 1.31 YD. DISPLACED W/ 166.5 BBLS CLAYTREAT WATER, FINAL LIFT 3411 PSI, BUMPED PLUG @ 4067, FLOATS HELD. 30 BBLS SPACER BACK TO PIT. LOST PARTIAL RETURNS 106 BBLS INTO DISPLACEMENT. EST TOP OF TAIL @ 4700', TOP OF LEAD @ 225'. RD CEMENTERS AND CLEANED PITS. RELEASED PIONEER RIG #69 ON NOVEMBER 22, 2010 @ 06:00 HRS.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
11/24/2010

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Gina Becker	720 929-6086	Regulatory Analyst II
SIGNATURE N/A		**DATE** 11/23/2010

RECEIVED November 23, 2010

API Well No: 43047405350000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-000578A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE

7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: NBU 920-15PT

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047405350000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779 **PHONE NUMBER:** 720 929-6515 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0591 FSL 0696 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 15 Township: 09.0S Range: 20.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ DRILLING REPORT Report Date: 1/31/2011	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	✓ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE SUBJECT WELL WAS PLACED ON PRODUCTION ON JANUARY 31, 2011 AT 7:00 P.M. THE CHRONOLOGICAL WELL HISTORY WILL BE SUBMITTED WITH THE WELL COMPLETION REPORT.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
02/02/2011

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Gina Becker	720 929-6086	Regulatory Analyst II
SIGNATURE N/A		**DATE** 2/1/2011

RECEIVED February 01, 2011

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No. UTU0578A

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other _____

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No. UTU63047A

2. Name of Operator KERR MCGEE OIL & GAS ONSHORE LP
Contact: GINA T. BECKER
E-Mail: gina.becker@anadarko.com

8. Lease Name and Well No. NBU 920-15PT

3. Address POBOX 179779
DENVER, CO 80217

3a. Phone No. (include area code) Ph: 720-929-6086

9. API Well No. 43-047-40535

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface SESE 591FSL 696FEL 40.02973 N Lat, 109.64607 W Lon

At top prod interval reported below SESE 591FSL 696FEL 40.02973 N Lat, 109.64607 W Lon

At total depth SESE 591FSL 696FEL 40.02973 N Lat, 109.64607 W Lon

10. Field and Pool, or Exploratory NATURAL BUTTES

11. Sec., T., R., M., or Block and Survey or Area Sec 15 T9S R20E Mer SLB

12. County or Parish UINTAH

13. State UT

14. Date Spudded 10/15/2010

15. Date T.D. Reached 11/19/2010

16. Date Completed ☐ D & A ☒ Ready to Prod. 01/31/2011

17. Elevations (DF, KB, RT, GL)* 4833 GL

18. Total Depth: MD 10770 TVD 10767

19. Plug Back T.D.: MD 10720 TVD 10717

20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
CBL/GR-HDIL/ZDL/CNGR

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit analysis)
Directional Survey? ☒ No ☐ Yes (Submit analysis)

23. Casing and Liner Record *(Report all strings set in well)*

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20.000	14.000 STL	36.7		40		28			
11.000	8.625 IJ-55	28.0		2491		480		0	
7.875	4.500 I-80	11.6		9582		2052		600	
7.875	4.500 P110	11.6	9582	10759					

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.375	10113							

25. Producing Intervals / 26. Perforation Record

	Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A)	WASATCH	8341	8343	8341 TO 8343	0.360	8	OPEN
B)	MESAVERDE	8486	10665	8486 TO 10665	0.360	127	OPEN
C)							
D)							

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
8341 TO 10665	PUMP 5230 BBLS SLICK H20 & 159,343 LBS 30/50 SAND

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
01/31/2011	02/03/2011	24	→	0.0	2465.0	470.0			FLOWS FROM WELL

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
20/64	1800	2350.0	→	0	2465	470		PGW

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
			→					

RECEIVED
MAR 22 2011
DIV. OF OIL, GAS & MINING

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #104780 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status

29. Disposition of Gas *(Sold, used for fuel, vented, etc.)*
CAPTURED

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
GREEN RIVER	1780				
BIRD'S NEST	1995				
MAHOGANY	2506				
WASATCH	5197	8462			
MESAVERDE	8462	10770			

32. Additional remarks (include plugging procedure):
Attached is the chronological well history & final survey. Completion chrono details individual frac stages.

33. Circle enclosed attachments:

1. Electrical/Mechanical Logs (1 full set req'd.)
2. Geologic Report
3. DST Report
4. Directional Survey
5. Sundry Notice for plugging and cement verification
6. Core Analysis
7 Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #104780 Verified by the BLM Well Information System.
For KERR MCGEE OIL & GAS ONSHORE,L, sent to the Vernal

Name *(please print)* GINA T. BECKER Title REGULATORY ANALYST

Signature (Electronic Submission) Date 03/18/2011

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fradulent statements or representations as to any matter within its jurisdiction.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

US ROCKIES REGION

: NBU 920-15PT	Spud Conductor: 10/15/2010	: 10/20/2010	
: UTAH-UINTAH	: NBU 920-15PT		: PIONEER 69/69, PROPETRO/
: DRILLING	: 9/16/2010		: 11/22/2010
: RKB @4,851.00ft (above Mean Sea Level)	: SE/SE/0/9/S/20/E/15/0/0/26/PM/S/591/E/0/696/0/0		

10/19/2010	12:00 - 0:00	MIRU	01	B	P		MOVE RIG ONTO LOCATION, DRESS TOP OF CONDUCTOR. INSTALL DIVERTER HEAD AND BOWIE LINE. BUILD DITCH. MOVE RIG OVER HOLE AND RIG UP.. SET CATWALK AND PIPE RACKS. RIG UP AND PRIME PIT PUMP AND MUD PUMP.
10/20/2010	0:00 - 0:45	PRPSPD	01	B	P		P/U STRAIGHT HOUSING HUNTING MTR SN 8085. 7/8 LOBE .16 RPM. M/U Q506 SN 7021692 1ST RUN, W/ 6-18'S. INSTALL RUBBER.
	0:45 - 0:00	DRLSUR	02	A	P		SPUD SURFACE 10/20/2010 @ 00:45 HRS. DRILL 11" SURFACE HOLE F/40'- 2020' (1980' 85'/HR) PSI ON/ OFF 1230/1150, UP/ DOWN/ ROT 65/59/62. SURVEY @ 600' .4 DEG, SURVEY @ 1600' = 2 DEG
10/21/2010	0:00 - 9:00	DRLSUR	02	A	P		DRILL 11" SURFACE HOLE F/ 2020'-2300' (370' 41'/HR) PSI ON/ OFF 1230/1150, UP/ DOWN/ ROT 69/63/66. SURVEY @ 2500' .4 DEG. CIRC RESERVE PIT, FULL RETURNS
	9:00 - 11:30	MAINT	08	B	X		WORK ON MUD PUMP
	11:30 - 14:30	MAINT	02	A	P		DRILL 11" SURFACE HOLE F/ 2300'-2520 (220' 73'/HR) PSI ON/ OFF 1230/1150, UP/ DOWN/ ROT 69/63/66, 4 DEG. CIRC RESERVE PIT, FULL RETURNS
	14:30 - 16:00	DRLSUR	05	A	P		CIRC AND COND HOLE CLEAN
	16:00 - 19:30	DRLSUR	06	A	P		TOOH, LDDS AND BHA
	19:30 - 20:30	CSG	12	A	P		MOVE CATWALK AND PIPE RACKS, MOVE CSG OVER TO WORK AREA
	20:30 - 23:30	CSG	12	C	P		HOLD SAFETY MEETING, RUN CSG. RAN 56JTS OF 8-5/8", 28#, IJ-55, 8 RND CSG W/ LTC THREADS. LANDED FLOAT SHOE @ 2477.40' KB. RAN BAFFLE PLATE IN TOP OF SHOE JT LANDED 2431.70' KB. FILL CSG @ 500', 1500', AND 2470'
	23:30 - 0:00	RDMO	01	E	P		RIG DOWN RIG, MOVE OFF LOCATION. RELEASE RIG 10/21/2010 00:00

: NBU 920-15PT	Spud Conductor: 10/15/2010	: 10/20/2010	
: UTAH-UINTAH	: NBU 920-15PT		: PIONEER 69/69, PROPETRO/
: DRILLING	: 9/16/2010		: 11/22/2010
: RKB @4,851.00ft (above Mean Sea Level)	: SE/SE/0/9/S/20/E/15/0/0/26/PM/S/591/E/0/696/0/0		

	0:00 - 2:30	CSG	12	B	P		HOLD SAFETY MEETING. INSTALL CEMENT HEAD. PSI TEST TO 2000 PSI. PUMP 20 BBLS OF 8.3# H20 AHEAD. FULL CIRC. PUMP 20 BBLS OF 8.4# GEL WATER AHEAD. FULL CIRC. PUMP 180 SX (149.6 BBLS) OF 11# 3.82 YIELD LEAD CMT, PUMP 200 SX (40.9 BBLS) OF 15.8# 1.15 YIELD TAIL(2% CALC, 1/4# /SK OF FLOCELE). FULL CIRC. DROP PLUG ON FLY AND DISPLACE W/125 BBLS OF 8.3# H20. FULL RETURNS. LIFT PRESSURE WAS 100 PSI, BUMP PLUG AND HOLD 500 PSI FOR 5 MIN. FLOAT HELD. 27 BBLS GOOD CMT TO PIT. TOP OUT DOWN 1" PUMP 125 SX (25.6 BBLS), PUMP 100 SX (20.4 BBLS) DOWN BACK SIDE OF 15.8# 1.15 YIELD TAIL(4 % CALC, 1/4# /SK OF FLOCELE). RIG DOWN CEMENTERS AND RELEASE CEMENTERS 16:00 HRS. CONDUCTOR CASING: Cond. Depth set: 40' Cement sx used: 28 SPUD DATE/TIME: 10/21/2010 00:45 SURFACE HOLE: Surface From depth: 40' Surface To depth: 2,520 Total SURFACE hours: 32.25 Surface Casing size: 8.625" # of casing joints ran: 56 Casing set MD: 2,477.40' # sx of cement: 180 SKS LEAD, 300 SKS TAIL AND TOP OUT Cement blend (ppg:) 11# LEAD, 15.8# ON TAIL CMTS Cement yield (ft3/sk): 3.82 LEAD, 1.15 YIELD ON TAIL CMTS # of bbls to surface:0BBL Describe cement issues: FULL CIRC DURING CMT JOB Describe hole issues: NO MAJOR ISSUES
11/6/2010	11:00 - 0:00	DRLPRO	01	B	P		SET IN SUB, COOLING TOWER, BOAT ,CARRIER, PITS, PUMPS, FUEL TANK, LP, ACCUMULATOR HOUSE, RIG UP ELECTRICAL,AIR,HYDRAULICS,WATER,RAISE & SCOPE DERRICK, RURT TRUCKS & CRANE ON LOC @ 09:00, TRUCKS RELEASED @15:00, CRANE RELEASED @ 18:00 RU UP THE FLOOR, ELECTRIS LINES, BACK YARD
11/7/2010	0:00 - 1:30	DRLPRO	01	B	P		FINISH FLOOR, FLARE LINES, SAFETY SIGNS, AND FIRE EXT.
	1:30 - 5:00	DRLPRO	14	A	P		NIPPLE UP THE BOP FLOWLINE, CHOKE MANIFOLD AND HYD. LINES.
	5:00 - 8:30	DRLPRO	15	A	P		TESTED THE BOP, PIPE RAMS, BLIND RAMS, CHOKE LINE, MANIFLOD VALVES, UPPER/LOWER KELLY VALVES, FLOOR VALVE, KILL LINE TO 250#/5 MIN AND 5000#/10 MIN. TESTED THE ANNULAR AT 25O/5 MIN. 2500#/ 10 MIN. TESTED THE SURFACE CASING TO 1500#/30 MIN. FLOOR VALVE AND THE LOWER KELLY VALVE HAD TO BE REPLACED.
	8:30 - 9:30	DRLPRO	14	B	P		RD THE TESTER AND INSTALL THE WEAR BUSHING

: NBU 920-15PT	Spud Conductor: 10/15/2010	: 10/20/2010	
: UTAH-UINTAH	: NBU 920-15PT		: PIONEER 69/69, PROPETRO/
: DRILLING	: 9/16/2010		: 11/22/2010
: RKB @4,851.00ft (above Mean Sea Level)	: SE/SE/0/9/S/20/E/15/0/0/26/PM/S/591/E/0/696/0/0		

	9:30 - 15:30	DRLPRO	06	A	P	HELD A SAFETY MEETING W/ KIMSEY. RU UP THE LD MACHINE, PU THE BHA SCRIBE THE MWD ASS. AND PU PIPE.
	15:30 - 17:00	DRLPRO	09	A	P	SLIPPED AND CUT 125' OF DRILLING LINE
	17:00 - 18:00	DRLPRO	14	B	P	INSTALL THE DRILLING RUBBER, PU KELLY, INSTALL KELLY DRIVERS, TAG CEMENT @ 2412'
	18:00 - 21:00	DRLPRO	02	F	P	DRILLING CEMENT AND FLT EQUIP.
	21:00 - 0:00	DRLPRO	02	B	P	DRILL F/ 2534'-2823', 289'/3HR 96.3'/HR', 20-24K WOB, RPM 50-55, MMRPM91, SPM 120, GPM 454, UP/SO/ROT 98/89/93, ON/OFF 1140/830, DIFF 250-375, WATER & POLY SWEEPS
11/8/2010	0:00 - 6:00	DRLPRO	02	B	P	DRILL F/ 2823'-3361', 537'/6HR 89.5'/HR', 20-24K WOB, RPM/50-55, MMRPM/91, SPM 120, GPM 454, UP/SO/ROT 105/90/98, ON/OFF 1220/930, DIFF 250-375, STARTED MUD UP @ 3220' GAS IS INCREASING NO FLARE. VIS/34 WT/9.2
	6:00 - 16:00	DRLPRO	02	B	P	DRILL F/ 3361'-4308', 947'/10HR 94.7'/HR', 20-24K WOB, RPM 50-55, MMRPM91, SPM 120, GPM 454, UP/SO/ROT 125/90/108, ON/OFF 1650/1330, DIFF 300-400, VIS/34 WT/10.0 INCREASED MUD WT TO CONTROL GAS, WE HAD A 12-15' FLARE W/ 9.5 MW.
	16:00 - 16:30	DRLPRO	07	A	P	RIG SERVICE
	16:30 - 0:00	DRLPRO	02	B	P	DRILL F/ 4308'-5095', 787'/7.5HR 104.9'/HR', 22-25K WOB, RPM 50-55, MMRPM91, SPM 120, GPM 454, UP/SO/ROT 120/110/116, ON/OFF 1910/1460, DIFF 300-480, VIS/36 WT/10.2
11/9/2010	0:00 - 6:00	DRLPRO	02	B	P	DRILL F/ 5095'-5573', 478'/6HR 79.6'/HR', 22-25K WOB, RPM 50-55, MMRPM91, SPM 120, GPM 454, UP/SO/ROT 120/110/116, ON/OFF 1910/1460, DIFF 300-480, VIS/36 WT/10.3
	6:00 - 15:30	DRLPRO	02	B	P	DRILL F/ 5573'-6205', 632'/9.5HR 66.5'/HR', 13-25K WOB, RPM 40-55, MMRPM87, SPM 115, GPM 435, UP/SO/ROT 140/120/135, ON/OFF 1950/1540, DIFF 300-480, VIS/36 WT/10.3
	15:30 - 16:00	DRLPRO	07	A	P	RIG SERVICE WORK PIPE RAMS AND ANNULAR
	16:00 - 0:00	DRLPRO	02	B	P	DRILL F/ 6205'-6592', 387'/8HR 48.4'/HR', 18-25K WOB, RPM 40-55, MMRPM87, SPM 115, GPM 435, UP/SO/ROT 145/130/140, ON/OFF 2025/1650, DIFF 300-400, VIS/37 WT/10.4
11/10/2010	0:00 - 6:00	DRLPRO	02	B	P	DRILL F/ 6592' TO 6900' (308' @ 51.3' HR) WOB 20-23,,RPM 60, MMRPM 91, SPM 120, GPM 454, UP/SO/ROT 145-130-140, ON/OFF 1656-2025, DIFF 320-430, WT 10.4, VIS 37
	6:00 - 17:30	DRLPRO	02	B	P	DRILL F/ 6900' TO 7273' (373' @ 32.4' HR) WOB 20-25,RPM 40-60, MMRPM 91, SPM 120, GPM 454, UP/SO/ROT 150-140-148, ON/OFF 1605-1976, DIFF 80-376, WT 10.4, VIS 38
	17:30 - 18:00	DRLPRO	07	A	P	RIG SERVICE ,FUNCTION ANNULAR
	18:00 - 20:30	DRLPRO	06	A	P	TFNB, TIGHT 6500-6390, 5118, 4527
	20:30 - 21:00	DRLPRO	03	A	P	BACK REAM F/ 4527' TO 4455'
	21:00 - 0:00	DRLPRO	06	A	P	TOOH
11/11/2010	0:00 - 0:30	DRLPRO	06	A	P	TFNB, L/D BIT & MOTOR
	0:30 - 7:00	DRLPRO	06	A	P	P/U Q506F,TORQ BUSTER, .16 RPG/1.5 BEND INTEQ MOTOR, ORIENT MWD, TIH
	7:00 - 7:30	DRLPRO	03	D	P	WASH 65' TO BOTTOM ,6' FILL
	7:30 - 17:00	DRLPRO	02	B	P	DRILL F/ 7273' TO 7661' (388' @ 40.8' HR) WOB 18, RPM 55, MMRPM 73, SPM 120, GPM 454, UP/SO/ROT 155-140-150, ON/OFF 1923-2250 ,DIFF 140-338, WT 10.8, VIS 43
	17:00 - 17:30	DRLPRO	07	A	P	RIG SERVICE ,FUNCTION PIPERAMS

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: DRILLING	: 9/16/2010		: 11/22/2010
: RKB @4,851.00ft (above Mean Sea Level)	: SE/SE/0/9/S/20/E/15/0/0/26/PM/S/591/E/0/696/0/0		

	17:30 - 0:00	DRLPRO	02	B	P	DRILL F/ 7661' TO 7861' (200' 30.7' HR) WOB 18-20, RPM 55-60, MMRPM 73, SPM 120, GPM 454, UP/SO/ROT 163-150-159, ON/OFF 1927-2322, DIFF 160-395 ,WT 11, VIS 43
11/12/2010	0:00 - 6:00	DRLPRO	02	B	P	DRILL F/ 7861' TO 8008' (147, @ 24.5' HR) WOB 18-20, RPM 50-60, MMRPM 73, SPM 120, GPM 454, UP/SO/ROT 163-150-159, ON/OFF 2322-1927, DIFF 160-395 , WT 11, VIS 43
	6:00 - 17:00	DRLPRO	02	B	P	DRILL F/ 8008' TO 8293' (285' @25.9' HR) WOB 22-25, RPM 60-70, MMRPM 73, SPM 120, GPM 454, UP/SO/ROT 165-150-163, ON/OFF 2314-1965, DIFF 200-534, WT 11.2, VIS 37
	17:00 - 17:30	DRLPRO	07	A	P	RIG SERVICE , FUNCTION ANNULAR
	17:30 - 0:00	DRLPRO	02	A	P	DRILL F/ 8293' TO 8469' (176' @ 27' HR) WOB 23-25, RPM 65-73, MMRPM 73, SPM 120, GPM 454, UP-SO-ROT 173-155-166, 0N/OFF 2249-1989, DIFF 180-470, WT 11.5, VIS 38
11/13/2010	0:00 - 6:00	DRLPRO	02	B	P	DRILL F/ 8469' TO 8610' (141' @ 23.5' HR) WOB 22-25, RPM 65-73, MMRPM 73, SPM 120, GPM 454, UP/SO/ROT 173-157-170, ON/OFF 2249-1989 ,DIFF 160-380, WT 11.5, VIS 39
	6:00 - 15:00	DRLPRO	02	B	P	DRILL F/ 8610' TO 8799' (189' @ 21' HR) WOB 22-25, RPM 35-70, SPM 120, GPM 454, UP/SO/ROT 175-155-170, ON/OFF 2274-2049, DIFF 120-320, WT 11.8, VIS 42
	15:00 - 15:30	DRLPRO	07	A	P	RIG SERVICE , FUNCTION PIPE RAMS
	15:30 - 0:00	DRLPRO	02	B	P	DRILL F/ 8799' TO 8979' (180' @ 21.1' HR) WOB 22-35, RPM 65-75, MMRPM 73, SPM 120, GPM 454, UP/SO/ROT 173-164-173, ON/OFF 2550-2182, DIFF 140-368, WT 11.9, VIS 43
11/14/2010	0:00 - 7:00	DRLPRO	02	B	P	DRILL F/ 8979' TO 9116' (137' @ 19.5' HR) WOB 22-25, RPM 65-75, MMRPM 73, SPM 120, GPM 454, UP/SO/ROT 180-165-175, ON/OFF 2550-2182, DIFF 160-368, WT 11.9, VIS 40, (HOLE SLOUGHING TIGHT CONNECTIONS 9022, 9053,9085,9116 , GETTING BACK ALOT OF LARGE SHALES
	7:00 - 7:30	DRLPRO	07	A	P	RIG SERVICE
	7:30 - 11:30	DRLPRO	05	B	P	CIRC & COND , HOLE SLOUGHING ALOT OF LARGE SHALES, WORK TIGHT HOLE, RAISE MUD WT TO 12.3 , WORK PIPE UNTIL HOLE CLEANED UP , MIX & PUMP PILL
	11:30 - 18:00	DRLPRO	06	A	P	TFNB, TIGHT 4580' TO 4432' , L/D BIT & MOTOR
	18:00 - 21:00	DRLPRO	06	A	P	P/U BIT #3 Q506F, TORQUE BUSTER,NEW .16/1.5 BEND MOTOR, ORIENT MWD, TIH, TAG @ 4420'
	21:00 - 0:00	DRLPRO	03	A	X	WASH & REAM F/ 4420' TO 4625',LOST 150 BBLS TO SEEPAGE, BUILD VOLUME, MIX LCM TO 5%, WT 12.6, VIS 40
11/15/2010	0:00 - 6:00	DRLPRO	03	A	X	WASH & REAM F/ 4625' TO 6144', WT 12.6, VIS 43
	6:00 - 8:00	DRLPRO	06	A	P	TIH TAG @ 8269'
	8:00 - 12:30	DRLPRO	03	A	X	WASH & REAM F/ 8269' TO 9116' BOTTOM
	12:30 - 15:30	DRLPRO	02	B	P	DRILL F/ 9116' TO 9174, (58' @ 19.3' HR) WOB 17-20, RPM 60-70, MMRPM 71, SPM 117, GPM 443, UP/SO/ROT 180-140-175, ON/OFF 2100-2250, DIFF 80-150, WT 12.5, VIS 43
	15:30 - 16:00	DRLPRO	07	A	P	RIG SERVICE, FUNCTION PIPE RAMS & ANNULAR
	16:00 - 0:00	DRLPRO	02	B	P	DRILL F/ 9174' TO 9337' (163' @ 20.3' HR) WOB 22-24, RPM 55-65, MMRPM 66, SPM 110, GPM 416, UP/SO/ROT 190-155-178, ON /OFF 2493-2209, DIFF 80-280, WT 12.5, VIS 40

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: DRILLING	: 9/16/2010		: 11/22/2010
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11/16/2010	0:00 - 9:30	DRLPRO	02	B	P		DRILL F/ 9337' TO 9607' (270' @ 28.4' HR) WOB 10-24, RPM 55-60, MMRPM 67, SPM 110, GPM 416, UP/SO/ROT 190-155-178, ON/OFF 2493-2209, DIFF 80-380, WT 12.6, VIS 41
	9:30 - 10:30	DRLPRO	05	B	X		TOOK 42 BBL INFLUX @ 9607', SHUT IN WELL, SICP 200 PSI, SIDPP 0 ,CIRC OUT GAS KICK ON CHOKE, 40'- 50' FLARE ,RAISE MUD WT
	10:30 - 13:30	DRLPRO	02	B	P		DRILL F/ 9607' TO 9653' (46' @ 15.3' HR) WOB 15-24, RPM 55-65, MMRPM 67, SPM 110, GPM 416, UP/SO/ROT 190-155-180, ON/OFF 2448-2180 , DIFF 80-363, WT 12.6, VIS 41, 15' FLARE CONNECTION GAS
	13:30 - 14:00	DRLPRO	07	A	P		RIG SERVICE
	14:00 - 0:00	DRLPRO	02	B	P		DRILL F/ 9653' TO 9916' (263' @ 26.3' HR) WOB 15-24, RPM 55-65, MMRPM 67, SPM 110, GPM 416, UP/SO/ROT 200-170-187, ON/OFF 2444, 2153, DIFF 80-370, WT 13.1, VIS 44, 5' TO 15' FLARE CONNECTION GAS
11/17/2010	0:00 - 6:00	DRLPRO	02	B	P		DRILL F/ 9916' TO 10050' (134' @ 22.3' HR) WOB 15-24, RPM 50-65, MMRPM65, SPM 108, GPM 409, UP/SO/ROT 200-170-187, ON/OFF 2444-2180, DIFF 80-383, WT 13.1, VIS 44
	6:00 - 13:30	DRLPRO	02	B	P		DRILL F/ 10050' TO 10159' (109' @ 14.5' HR) WOB 15-25, RPM 40-65, MMRPM 65-67, SPM 108-110, GPM 409-416, UP/SO/ROT 192-175-188, ON/OFF 2500-2209, DIFF 80-347, WT 13.2+ ,VIS 44
	13:30 - 14:00	DRLPRO	07	A	P		RIG SERVICE, FUNCTION PIPE RAMS & ANNULAR, PUMP PILL
	14:00 - 21:00	DRLPRO	06	A	P		TOOH L/D DIR TOOLS, TORQUE BUSTER , MOTOR , BIT, TIGHT 5117' & 4552'-4538'
	21:00 - 0:00	DRLPRO	06	A	P		P/U BIT #4, NEW MOTOR TIH TO SHOE, FILL PIPE
11/18/2010	0:00 - 1:00	DRLPRO	09	A	P		CUT & SLIP 140' DRILL LINE
	1:00 - 4:30	DRLPRO	06	A	P		TIH FILLING PIPE @ 6100' ,NO PROBLEMS
	4:30 - 6:00	DRLPRO	03	D	P		KELLY UP ,BREAK CIRC, WASH 90' TO BOTTOM NO FILL
	6:00 - 16:30	DRLPRO	02	B	P		DRILL F/ 10159' TO 10395' (236' @ 22.4' HR) WOB 15-22, RPM 55-60, MMRPM 65, SPM 108, GPM 409 ,UP/SO/ROT 190-175-189, ON/OFF 2230-2450, DIFF 80-390, WT 13.3, VIS 44
	16:30 - 17:00	DRLPRO	07	A	P		RIG SERVICE, FUNCTION ANNULAR & PIPE RAMS
	17:00 - 0:00	DRLPRO	02	B	P		DRILL F/ 10395' TO 10553' (158' @ 22.5) WOB 15-24 ,RPM 55-65, MMRPM 65, SPM 108 ,GPM 409, UP/SO/ROT 200-170-188, ON/OFF 2344-2009, DIFF 50-287, WT 13.3, VIS 44
11/19/2010	0:00 - 11:00	DRLPRO	02	B	P		DRILL F/ 10553' TO 10770' (217' @ 19.7' HR) WOB 20-24, RPM 55-65, MMRPM 65, SPM 108, GPM 409, UP/SO/ROT 193-180-190, ON/OFF 2420-2100, DIFF 70-313, WT 13.4, VIS 44, LCM 8%
	11:00 - 11:30	DRLPRO	07	A	P		RIG SERVICE FUNCTION ANNULAR & PIPE RAMS
	11:30 - 13:30	DRLPRO	05	C	P		CIRC & COND F/ SHORT TRIP, MIX & PUMP PILL, BLOW KELLY DRY
	13:30 - 18:00	DRLPRO	06	E	P		SHORT TRIP TO CSG SHOE @ 2491', TIGHT 4535'
	18:00 - 21:30	DRLPRO	06	E	P		TIH F/ CSG SHOE, TAG @ 4520' , FELL THROUGH
	21:30 - 23:30	DRLPRO	05	C	P		CIRC & COND, MIX & PUMP PILL ,BLOW KELLY DRY
	23:30 - 0:00	DRLPRO	06	A	P		START TOOH F/ LOGS
11/20/2010	0:00 - 5:00	DRLPRO	06	A	P		TOOH F/ LOGS TIGHT @ 4564'
	5:00 - 10:30	DRLPRO	11	C	P		S/M W/ BAKER ATLAS,R/U & RUN TRIPLE COMBO TO 10772', R/D LOGGERS
	10:30 - 11:00	DRLPRO	07	A	P		RIG SERVICE, FUNCTION ANNULAR & PIPE RAMS

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: NBU 920-15PT	Spud Conductor: 10/15/2010 : 10/20/2010	
: UTAH-UINTAH	: NBU 920-15PT	: PIONEER 69/69, PROPETRO/
: DRILLING	: 9/16/2010	: 11/22/2010
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	11:00 - 14:30	DRLPRO	11	E	P	S/ M W/ WEATHERFORD, R/U & RUN MULTI SENSOR CALIPER F/ 2496' TO 18', R/D LOGGERS
	14:30 - 16:00	DRLPRO	09	A	P	CUT & SLIP 450' DRILL LINE
	16:00 - 22:30	DRLPRO	02	B	P	P/U RR TRI CONE & BIT SUB TIH, WASH 30' TO BOTTOM
	22:30 - 0:00	DRLPRO	05	C	P	CIRC & COND, FOR LDDP
11/21/2010	0:00 - 0:30	DRLPRO	05	C	P	CIRC, PUMP PILL , BLOW KELLY DRY
	0:30 - 10:30	DRLPRO	06	A	P	LDDP, BREAK KELLY ,L/D BHA, PULL WEAR RING
	10:30 - 11:00	DRLPRO	12	A	P	S/M W/ KIMZEY & R/U
	11:00 - 19:30	DRLPRO	12	C	P	RUN 28 JTS P110, 227 JTS I-80, 4.5, 11.6 PRODUCTION CASING TO 10759'
	19:30 - 21:00	DRLPRO	05	D	P	CIRC F/ CEMENT
	21:00 - 0:00	DRLPRO	12	E	P	S/M W/ BJ SERVICES, R/U & PUMP 40 BBL WATER, 730 SX ,1.66 YLD LEAD, 1322 SX, 1.31 YLD TAIL, DISPLACE W/ 166.5 BBLS CLAYTREAT WATER, FINAL LIFT 3411 PSI, BUMPED PLUG @ 4067, FLOATS HELD, 30 BBLS SPACER BACK TO PIT, LOST PARTIAL RETURNS 106 BBLS INTO DISPLACEMENT, EST TOP OF TAIL @ 4700', TOP OF LEAD 225', R/D BJ SERVICES
11/22/2010	0:00 - 2:00	DRLPRO	12	C	P	SET C-22 SLIPS THROUGH BOP @ 92K (WEATHERFORD REPRESENTATIVE- ULYSSES BEAUERGARD) P/U BOP CUT OFF CASING
	2:00 - 6:00	DRLPRO	14	A	P	NIPPLE DOWN, CLEAN PITS ,RELEASE RIG @ 0600 ,11/22/2010 TO NBU 920-12H, RDRT

: NBU 920-15PT	Spud Conductor: 10/15/2010	: 10/20/2010	
: UTAH-UINTAH	: NBU 920-15PT		: PIONEER 69/69, PROPETRO/
: DRILLING	: 9/16/2010		: 11/22/2010
: RKB @4,851.00ft (above Mean Sea Level)	: SE/SE/0/9/S/20/E/15/0/0/26/PM/S/591/E/0/696/0/0		

6:00	- 6:00		DRLPRO					

CONDUCTOR CASING:
Cond. Depth set: 40
Cement sx used:

SPUD DATE/TIME: 10/20/2010 0:45

SURFACE HOLE:
Surface From depth: 18
Surface To depth: 2,534
Total SURFACE hours: 35.25
Surface Casing size: 8 5/8
# of casing joints ran: 56
Casing set MD: 2,491.4
sx of cement: 505
Cement blend (ppg:) LEAD 11, TAIL 15.8
Cement yield (ft3/sk): LEAD 3.82, TAIL 1.15
# of bbls to surface: 15
Describe cement issues:
Describe hole issues:

PRODUCTION:
Rig Move/Skid start date/time: 11/6/2010 11:00
Rig Move/Skid finish date/time: 11/6/2010 15:00

Total MOVE hours: 4.0
Prod Rig Spud date/time: 11/7/2010 0:00
Rig Release date/time: 11/22/2010 6:00
Total SPUD to RR hours: 366.0
Planned depth MD 10,752
Planned depth TVD 10,752
Actual MD: 10,770
Actual TVD: 10,767
Open Wells $: $1,042,438
AFE $: $992,926
Open wells $/ft: $93.83

PRODUCTION HOLE:
Prod. From depth: 2,534
Prod. To depth: 10,770
Total PROD hours: 213
Log Depth: 10772
Float Collar Top Depth: 10518
Production Casing size: 4.5 11.6 I-80 & P110
# of casing joints ran: 28 P110 , 227 I-80
Casing set MD: 10,759.0
Stage 1
sx of cement: 730
Cement density (ppg:) 13.3
Cement yield (ft3/sk): 1.66
Stage 2
sx of cement: 1,322
Cement density (ppg:) 14.3
Cement yield (ft3/sk): 1.31
Top Out Cmt
sx of cement:
Cement density (ppg:)
Cement yield (ft3/sk):
Est. TOC (Lead & Tail) or 2 Stage : LEAD 225' TAIL 4700'
Describe cement issues: LOST PARTIAL RETURNS 106 BBLS INTO DISPLACEMENT
Describe hole issues:

DIRECTIONAL INFO:
KOP:
Max angle:

: NBU 920-15PT	Spud Conductor: 10/15/2010	: 10/20/2010	
: UTAH-UINTAH	: NBU 920-15PT		: PIONEER 69/69, PROPETRO/
: DRILLING	: 9/16/2010		: 11/22/2010
: RKB @4,851.00ft (above Mean Sea Level)	: SE/SE/0/9/S/20/E/15/0/0/26/PM/S/591/E/0/696/0/0		

								Departure: Max dogleg MD:

US ROCKIES REGION

Operation Summary Report

Well: NBU 920-15PT	Spud Conductor: 10/15/2010	Spud Date: 10/20/2010	
Project: UTAH-UINTAH	Site: NBU 920-15PT		Rig Name No: SWABBCO 1/1
Event: COMPLETION	Start Date: 1/20/2011		End Date: 1/31/2011
Active Datum: RKB @4,851.00ft (above Mean Sea Level)	UWI: SE/SE/0/9/S/20/E/15/0/0/26/PM/S/591/E/0/696/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
1/19/2011	7:00 - 7:15	0.25	COMP	48		P		JSA= PU TUBING
	7:15 - 17:00	9.75	COMP	30		P		0 PSI ON WELL NU WELLHEAD, NU BOPS, RU FLOOR & TUBING EQUIP SPOT IN TUBING FLOAT TALLEY & PU 261 JNTS TUBING EOT @ 8255' POOH RD FLOOR & TUBING EQUIP ND BOPS NU FRAC VALVES NU TESTERS TEST CASING & FRAC VALVES TO 7000# NU TEST SURFACE TO 900# SWIFN
1/20/2011	7:00 - 15:00	8.00	COMP	30		P		STAND BY
1/21/2011	7:00 - 7:15	0.25	COMP	48		P		JSA= TRIP TUBING
	7:15 - 17:00	9.75	COMP	30		P		ND FRAC VALVES NU BOPS RU FLOOR & TUBING EQUIP PU NOTCHED COLLAR RIH TO EOT @ 8255' LAND TUBING ON HNGR ND BOPS NU WELLHEAD RDMO
1/26/2011	7:00 - 7:15	0.25	COMP	48		P		JSA= ROADING
	7:15 - 10:30	3.25	COMP	30		P		RD RIG ON CIGE 190 ROAD RIG & EQUIP TO NBU 920-15PT
	10:30 - 17:00	6.50	COMP	30		P		RU RIG ND WELLHEAD NU BOPS RU FLOOR & TUBING EQUIP POOH W/ TUBING ND BOPS NU FRAC VALVES MIRU CUTTERS W/L RIH W/ 3-3/8" EXPEND PERF GUN, PERF MESA VERDE,23 GRM, 0.36" HOLE. 10662'-10665', 3SPF, 120* PH, 9 HOLES 10615'-10616', 3 SPF, 120* PH, 3 HOLES 10605'-10606', 3 SPF, 120* PH, 3 HOLES 10594'-10596', 3 SPF, 120* PH, 6 HOLES (21 HOLES) SWIFN FRAC IN AM
1/27/2011	7:00 - 7:15	0.25	COMP	48		P		JSA=FRAC & W/L SAFETY

US ROCKIES REGION

Operation Summary Report

Well: NBU 920-15PT	Spud Conductor: 10/15/2010	Spud Date: 10/20/2010	
Project: UTAH-UINTAH	Site: NBU 920-15PT		Rig Name No: SWABBCO 1/1
Event: COMPLETION	Start Date: 1/20/2011		End Date: 1/31/2011
Active Datum: RKB @4,851.00ft (above Mean Sea Level)	UWI: SE/SE/0/9/S/20/E/15/0/0/26/PM/S/591/E/0/696/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	7:15 - 19:00	11.75	COMP	30		P		MIRU SUPERIOR FRAC EQUIP TEST PUMPS & LINES TO , FRAC STAGE #1 STAGE #1] WHP= 415#, BRK PSI= 3740#, INJ RT= 38 , INJ PSI= 5980# , ISIP= 3132# , FG= .73 , PUMPED 1408 BBLS SLK WTR W/ 41900# 30/50 MESH, W/ 5000 # RESIN COAT IN TAIL, MP=6584# , MR= 51.4 , AP= 5450# , AR= 46.5 , FG=.72 , NPI= -86# , W/ 19 /21 CALC PERFS OPEN 98% STAGE #2] P/U RIH W/ HALLI 8K CBP & PERF GUN, SET CBP @ 10544', PERF MESA VERDE USING 3-3/8" EXPEND PERF GUN, 23 GRM, 0.36" HOLE. 10505'-10507', 3 SPF, 120* PH, 6 HOLES 10489'-10491', 3 SPF, 120* PH, 6 HOLES 10433'-10435', 3 SPF, 120* PH, 6 HOLES 10417'-10419', 3 SPF, 120* PH, 6 HOLES (24 HOLES) WHP= 2100# , BRK PSI=3408# , INJ RT= 37.8 , INJ PSI= 6175# , ISIP= 3064# , FG= .73 , PUMPED 667 BBLS SLK WTR W/16088 # 30/50 MESH, W/ 5000 # RESIN COAT IN TAIL, MP= 660, MR= 50.6 , AP=6150# , AR=40 , FG= .73 , NPI=89# , W/ 17/24 CALC PERFS OPEN 71% STAGE #3] P/U RIH W/ HALLI 8K CBP & PERF GUN, SET CBP @ 10367', PERF MESA VERDE USING 3-3/8" EXPEND PERF GUN, 23 GRM, 0.36" HOLE. 10287'-10288', 3 SPF, 120* PH, 3 HOLES 10226'-10228', 3 SPF, 120* PH, 6 HOLES 10098'-10100', 3 SPF, 120* PH, 6 HOLES 9992'-9994', 3 SPF, 120* PH, 6 HOLES (21 HOLES) WHP=1446# , BRK PSI= 5808# , INJ RT= 33.6 , INJ PSI= 5980# , ISIP=3331# , FG= .76 , PUMPED 728 BBLS SLK WTR W/ 23914 # 30/50 MESH, W/ 5000 # RESIN COAT IN TAIL, MP= 6733# , MR= 50.2 , AP=6250# , AR= 38 , FG= .73 , NPI= -279# , W/ 16 /21 CALC PERFS OPEN 76% STAGE #4] P/U RIH W/ HALLI 8K CBP & PERF GUN, SET CBP @ 9920', PERF MESA VERDE USING 3-3/8" EXPEND PERF GUN, 23 GRM, 0.36" HOLE. 9817'-9820', 4 SPF, 90* PH, 12 HOLES 9653'-9656', 4 SPF, 90* PH, 12 HOLES (24 HOLES) WHP= 1470# , BRK PSI=5678# , INJ RT=40.9 , INJ PSI= 6537# , ISIP= 2578# , FG=.70 , PUMPED 679 BBLS SLK WTR W/ 16977 # 30/50 MESH, W/ 5000 # RESIN COAT IN TAIL, MP= 6934# , MR= 51.4 , AP=5500# , AR=42 , FG= .73 , NPI= 296 , W/ 16 /24 CALC PERFS OPEN 67% STAGE #5] P/U RIH W/ HALLI 8K CBP & PERF GUN, SET CBP @ 9490', PERF MESA VERDE USING 3-3/8" EXPEND PERF GUN, 23 GRM, 0.36" HOLE. 9388'-9390', 3 SPF, 120* PH, 6 HOLES 9287'-9288', 3 SPF, 120* PH, 3 HOLES

US ROCKIES REGION

Operation Summary Report

Well: NBU 920-15PT	Spud Conductor: 10/15/2010	Spud Date: 10/20/2010	
Project: UTAH-UINTAH	Site: NBU 920-15PT		Rig Name No: SWABBCO 1/1
Event: COMPLETION	Start Date: 1/20/2011		End Date: 1/31/2011
Active Datum: RKB @4,851.00ft (above Mean Sea Level)	UWI: SE/SE/0/9/S/20/E/15/0/0/26/PM/S/591/E/0/696/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
								9270'-9271', 3 SPF, 120* PH, 3 HOLES 9255'-9256', 3 SPF, 120* PH, 3 HOLES 9231'-9232', 3 SPF, 120* PH, 3 HOLES 9191'-9192', 3 SPF, 120* PH, 3 HOLES (21 HOLES) WHP= 3111# , BRK PSI= 6454# , INJ RT= 45.8 , INJ PSI= , ISIP=2566# , FG= .78 , PUMPED 936 BBLS SLK WTR W/ 29439 # 30/50 MESH, W/ 5000 # RESIN COAT IN TAIL, MP= 6673# , MR=51.2 , AP= 5600# , AR= 46 , FG= .76 , NPI= 498# , W/ 18/21 CALC PERFS OPEN 86% STAGE #6] P/U RIH W/ HALLI 8K CBP & PERF GUN, SET CBP @ 8590', PERF MESA VERDE USING 3-3/8" EXPEND PERF GUN, 23 GRM, 0.36" HOLE. 8486'-8490', 4 SPF, 90* PH, 16 HOLES 8341'-8343', 4 SPF, 90* PH, 8 HOLES (24 HOLES)
1/28/2011	7:00 - 7:15	0.25	COMP	48		P		JSA= FRAC SAFETY
	7:15 - 15:00	7.75	COMP	30		P		STAGE 6 PERFED NIGHT BEFORE STAGE #6] WHP= 1730# , BRK PSI= 3550# , INJ RT= 46.1 , INJ PSI= 6351# , ISIP=2258# , FG= .70 , PUMPED 1072 BBLS SLK WTR W/ 31025 # 30/50 MESH, W/ 5000 # RESIN COAT IN TAIL, MP= 6632# , MR=51.3 , AP= 5250# , AR= 46 , FG= .76 , NPI= 504# , W/ 21 /21 CALC PERFS OPEN 100% TOTAL FLUID PUMPED = 5496 BBLS TOTAL SAND= 184343# PU SETTING TOOL RIH SET KILL PLUG @ 8291' POOH W/ W/L RD FRAC EQUIP & W/L RU FLOOR & TUBING EQUIP PU 3-7/8" BIT POBS & XN NPL RIH TO KILL PLG PREP TO DRILL & C/O MONDAY
1/31/2011	7:00 - 7:15	0.25	COMP	48		P		JSA= DRILL PLUGS

US ROCKIES REGION

Operation Summary Report

Well: NBU 920-15PT	Spud Conductor: 10/15/2010	Spud Date: 10/20/2010
Project: UTAH-UINTAH	Site: NBU 920-15PT	Rig Name No: SWABBCO 1/1
Event: COMPLETION	Start Date: 1/20/2011	End Date: 1/31/2011
Active Datum: RKB @4,851.00ft (above Mean Sea Level)	UWI: SE/SE/0/9/S/20/E/15/0/0/26/PM/S/591/E/0/696/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	7:15 - 18:00	10.75	COMP	30		P		0 PSI ON WELL RIH TAG PLG RU PWR SWVL EST CIRC PRESS TEST 3500 PSI DRILL THRU KILL PLUG PLUG #1] DRILL THRU HALLI 8K CBP SET @ 8285' IN 10 MIN W/ 50# INCREASE. PLUG#2] CONTINUE TO RIH TAG SAND @ 8525' (35' FILL) C/O & DRILL THRU HALLI 8K CBP @ 8560' IN 8 MIN W/150# INCREASE. PLUG#3] CONTINUE TO RIH TAG SAND @9430' (40' FILL) C/O & DRILL THRU HALLI 8K CBP @ 9470' IN 11 MIN W/ 200# INCREASE. 500# ON WELL PLUG#4] CONTINUE TO RIH TAG SAND @ 9830' (30' FILL) C/O & DRILL THRU HALLI 8K CBP @ 9870' IN 8 MIN W/ 100# INCREASE. PLUG#5] CONTINUE TO RIH TAG SAND @ 10320' (40' FILL) C/O & DRILL THRU HALLI 8K CBP @ 10360' IN 8 MIN W/50# INCREASE. PLUG#6] CONTINUE TO RIH TAG SAND @ 10514' (30' FILL) C/O & DRILL THRU HALLI 8K CBP @ 10544' IN 9 MIN W/ 100# INCREASE. CONTINUE TO RIH TAG SAND @ 10684' (35' FILL) C/O & DRILL TO PBTD @10719' CIRC CLEAN POOH LD 10 JNTS LAND TUBING ON HANGER W/ 328 JNTS EOT @10396.38' ND BOPS NU WELLHEAD DROP BALL PUMP OFF BIT @ 1300 PSI SHUT IN WELL ALLOW BIT TO FALL TURN WELL OVER TO FBC @14:30 RD RIG MOVE TO 921-16P TOTAL FLUID PUMPED= 5230 BBLS RIG REC= 1200 BBLS LEFT TO REC= 4030 BBLS CTAP DEL= 348 JNTS USED= 328 JNTS SET BACK ON FLOAT= 20 JNTS LANDING DETAIL K.B.= 18.00 HANGER= 1.00 238 JNTS L-80 2-3/8"= 10378.18 POBS= 2.20 EOT= 10396.38
	19:30 - 19:30	0.00	PROD	50				WELL TURNED TO SALES @ 1930 HR ON 1/31/11 - 1591 MCFD, 1920 BWPD, CP 2700#, FTP 2350#, CK 20/64"
2/3/2011	7:00 -			50				WELL IP'D ON 2/3/11 - 2465 MCFD, 0 BOPD, 470 BWPD, CP 2350#, FTP 1800#, CK 20/64", LP 96#, 24 HRS

1 General

1.1 Customer Information

Company	US ROCKIES REGION
Representative	
Address	

1.2 Well Information

Well	NBU 920-15PT	**Wellbore No.**	OH
Well Name	NBU 920-15PT	**Common Name**	NBU 920-15PT
Project	UTAH-UINTAH	**Site**	NBU 920-15PT
Vertical Section Azimuth	0.00 (°)	**North Reference**	True
Origin N/S		**Origin E/W**	
Spud Date	10/20/2010	**UWI**	SE/SE/0/9/S/20/E/15/0/0/26/PM/S/591/E/0/696/0/0
Active Datum	RKB @4,851.00ft (above Mean Sea Level)		

2 Survey Name

2.1 Survey Name: Survey #1

Survey Name	Survey #1	**Company**	PROPETRO SERVICES
Started	10/19/2010	**Ended**	
Tool Name	MMS	**Engineer**	Anadarko

2.1.1 Tie On Point

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)
14.00	0.00	0.00	14.00	0.00	0.00

2.1.2 Survey Stations

Date	Type	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)	TFace (°)
10/19/2010	Tie On	14.00	0.00	0.00	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10/20/2010	NORMAL	634.00	0.40	141.00	633.99	-1.68	1.36	-1.68	0.06	0.06	0.00	141.00
	NORMAL	1,634.00	2.00	229.00	1,633.78	-15.84	-9.61	-15.84	0.20	0.16	8.80	99.38
10/21/2010	NORMAL	2,514.00	0.40	180.00	2,513.57	-28.99	-21.20	-28.99	0.20	-0.18	-5.57	-170.14

2.2 Survey Name: Survey #2

Survey Name	Survey #2	**Company**	SCIENTIFIC
Started	11/7/2010	**Ended**	
Tool Name	MWD	**Engineer**	MIKE GRESHAM

2.2.1 Tie On Point

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)
2,514.00	0.40	180.00	2,513.57	-28.99	-21.20

2.2.2 Survey Stations

Date	Type	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)	TFace (°)
11/7/2010	Tie On	2,514.00	0.40	180.00	2,513.57	-28.99	-21.20	-28.99	0.00	0.00	0.00	0.00
11/7/2010	NORMAL	2,547.00	1.23	201.24	2,546.57	-29.44	-21.33	-29.44	2.63	2.52	64.36	30.83
11/8/2010	NORMAL	2,958.00	0.78	177.07	2,957.51	-36.34	-22.79	-36.34	0.15	-0.11	-5.88	-148.36
	NORMAL	3,482.00	0.97	180.94	3,481.45	-44.34	-22.68	-44.34	0.04	0.04	0.74	19.22
	NORMAL	3,808.00	0.97	167.76	3,807.40	-49.79	-22.14	-49.79	0.07	0.00	-4.04	-96.59
	NORMAL	4,217.00	1.76	170.31	4,216.28	-59.37	-20.34	-59.37	0.19	0.19	0.62	5.67
	NORMAL	4,633.00	1.09	168.51	4,632.15	-69.54	-18.48	-69.54	0.16	-0.16	-0.43	-177.08
11/9/2010	NORMAL	5,139.00	1.67	181.91	5,138.00	-81.63	-17.77	-81.63	0.13	0.11	2.65	35.90
	NORMAL	5,642.00	1.85	164.68	5,640.77	-96.79	-15.87	-96.79	0.11	0.04	-3.43	-79.96
	NORMAL	6,147.00	1.76	164.59	6,145.52	-112.12	-11.65	-112.12	0.02	-0.02	-0.02	-178.24
11/10/2010	NORMAL	6,655.00	1.49	164.33	6,653.31	-126.00	-7.80	-126.00	0.05	-0.05	-0.05	-178.57
	NORMAL	7,159.00	1.41	160.90	7,157.15	-138.17	-4.00	-138.17	0.02	-0.02	-0.68	-134.37
11/11/2010	NORMAL	7,668.00	1.41	161.52	7,666.00	-150.03	0.04	-150.03	0.00	0.00	0.12	90.31
11/12/2010	NORMAL	8,174.00	1.32	157.91	8,171.85	-161.33	4.20	-161.33	0.02	-0.02	-0.71	-138.10
11/13/2010	NORMAL	8,677.00	1.58	161.52	8,674.69	-173.28	8.58	-173.28	0.05	0.05	0.72	21.17
11/14/2010	NORMAL	9,059.00	1.67	160.37	9,056.54	-183.52	12.12	-183.52	0.03	0.02	-0.30	-20.49
11/15/2010	NORMAL	9,185.00	1.46	159.85	9,182.49	-186.75	13.29	-186.75	0.17	-0.17	-0.41	-176.39
11/17/2010	NORMAL	10,106.00	0.70	167.58	10,103.32	-203.26	18.54	-203.26	0.08	-0.08	0.84	173.00
11/19/2010	NORMAL	10,734.00	1.12	170.47	10,731.24	-213.06	20.38	-213.06	0.07	0.07	0.46	7.68
	NORMAL	10,770.00	1.12	170.47	10,767.23	-213.76	20.50	-213.76	0.00	0.00	0.00	0.00